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# Air Quality Data - 1977
# Second Quarter Statistics

Environmental Protection Agency, Research Triangle Park, N C

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February 1978

PB 280 185

# AIR QUALITY DATA -
# 1977 SECOND QUARTER STATISTICS

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Air and Waste Management
Office of Air Quality Planning and Standards
Research Triangle Park, N.C. 27711

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This report is a statistical summary report on ambient air quality submitted to EPA from air monitoring operations of State, local and Federal networks in accordance with requirements of the Clean Air Act and EPA Regulations for State Implementation Plans (SIPs). These data represent all ambient air quality data sampled for pollutants that currently have National Ambient Air Quality Standards.

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| a. DESCRIPTORS | b. IDENTIFIERS/OPEN ENDED TERMS | c. COSATI Field/Group |
|---|---|---|
| Air Quality Data<br>SAROAD<br>Pollutants<br>NADB<br>SIPS<br>Reporting Requirements | | |

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# AIR QUALITY DATA - 1977 SECOND QUARTER STATISTICS

Monitoring and Data Analysis Division
National Air Data Branch

ENVIRONMENTAL PROTECTION AGENCY
Office of Air and Waste Management
Office of Air Quality Planning and Standards
Research Triangle Park, North Carolina 27711

February 1978

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Publication No. EPA-450/2-78-011

# AIR QUALITY DATA - 1977 SECOND QUARTER STATISTICS

## INTRODUCTION

In accordance with requirements of the Clean Air Act and EPA Regulations for State Implementation Plans (SIP's),[1] ambient air quality data resulting from air monitoring operations of State, local, and Federal networks must be reported each calendar quarter to the Environmental Protection Agency. The EPA Storage and Retrieval of Aerometric Data (SAROAD) format[2] is the established medium for transmittal of air data to EPA Regional Offices within 45 days after each quarterly reporting period. EPA Regional Offices must, within an additional 30 days, forward data they have received to the EPA Aerometric and Emissions Reporting System (AEROS), of which the SAROAD system is an operational part. AEROS is managed by the National Air Data Branch, Monitoring and Data Analysis Division, Office of Air Quality Planning and Standards. Summaries of these data are provided to interested parties upon request.

In a continuing effort to provide these data to participating agencies as well as to the public, EPA periodically publishes a summary of all data submitted. It is this Agency's desire that participating agencies take this opportunity to check these data to ensure that: (1) the data accurately reflect the ambient air quality within each Air Quality Control Region (AQCR), and (2) the data reflect the necessary improvements in air quality to ensure the attainment of National Ambient Air Quality Standards.

The air quality statistics shown in this publication are produced directly from computer reports generated by EPA's on-line computer system. The data in SAROAD are continually subject to update or correction as necessary. As such, it is probable that recent data submittals may not be reflected in the following tables. The most recent up-to-date SAROAD reports are available upon request from the National Air Data Branch or the appropriate EPA Regional Office. These locations are shown in Table 1.

## ORGANIZATION AND FORMAT

These data represent all acceptable ambient air quality data sampled for pollutants that currently have National Ambient Air Quality Standards. These pollutants, along with their corresponding sampling intervals and National Primary and Secondary Standards, are as given in Table 2.

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[1] *Federal Register*, Vol. 38, No. 149, Friday, August 3, 1973, pp. 20834 and 20835.

[2] *AEROS Manual Series, Volume II, AEROS User's Manual*. EPA-450/2-76-029 (OAQPS No. 1.2-039). U.S. Environmental Protection Agency, Office of Air and Waste Management, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711, December 1976.

## Table 1. LIST OF REGIONAL OFFICES

| Regional location | Commercial telephone | FTS telephone |
|---|---|---|
| EPA Region I<br>60 Westview St.<br>Lexington, MA 02173 | (617)861-6700 | 223-2100 |
| EPA Region II<br>26 Federal Plaza<br>New York, NY 10007 | (212)264-9802 | 264-9800 |
| EPA Region III<br>6th and Walnut St.<br>Philadelphia, PA 19106 | (215)597-9860 | 597-8133 |
| EPA Region IV<br>345 Courtland St.<br>Atlanta, GA 30308 | (404)881-2864 | 257-2864 |
| EPA Region V<br>230 S. Dearborn<br>Chicago, IL 60604 | (312)353-1447 | 353-2303 |
| EPA Region VI<br>1201 Elm St.<br>Dallas, TX 75270 | (214)749-3761 | 729-2724 |
| EPA Region VII<br>1735 Baltimore Ave.<br>Kansas City, MO 64108 | (816)374-3791 | 758-3791 |
| EPA Region VIII<br>1860 Lincoln St.<br>Denver, CO 80295 | (303)837-2226 | 327-2226 |
| EPA Region IX<br>215 Fremont St.<br>San Francisco, CA 94105 | (415)556-2270 | 556-2326 |
| EPA Region X<br>1200 6th Ave. (M/S 413)<br>Seattle, WA 98101 | (206)442-1580 | 399-1580 |
| National Air Data Branch<br>Chief, Requests & Information Section<br>Research Triangle Park, NC 27711 | (919)541-5395 | 629-5395 |

## Table 2. SUMMARY OF NATIONAL AMBIENT AIR QUALITY STANDARDS[a]

| Pollutant | Averaging time | Primary standards | Secondary standards | Comments |
|---|---|---|---|---|
| Particulate matter | Annual (geometric mean) | 75 $\mu g/m^3$ | 60 $\mu g/m^3$ | The secondary annual standard (60 $\mu g/m^3$) is a guide for assessing State Implementation Plans to achieve the 24-hour secondary standard. |
|  | 24-hour[b] | 260 $\mu g/m^3$ | 150 $\mu g/m^3$ |  |
| Sulfur oxides | Annual (arithmetic mean) | 80 $\mu g/m^3$ (0.03 ppm) | - |  |
|  | 24-hour[b] | 365 $\mu g/m^3$ (0.14 ppm) | - |  |
|  | 3-hour[b] | - | 1300 $\mu g/m^3$ (0.5 ppm) |  |
| Carbon monoxide | 8-hour[b] | 10 $mg/m^3$ (9 ppm) | (Same as primary) |  |
|  | 1-hour[b] | 40 $mg/m^3$ (35 ppm) |  |  |
| Nitrogen dioxide | Annual (arithmetic mean) | 100 $\mu g/m^3$ (0.05 ppm) | (Same as primary) | Chemiluminescence has been established as the Federal Reference Method (FRM),[a] and the sodium arsenite and triethanolamine guiacol sulfite (TGS) methods have been identified as equivalent methods. |
| Photochemical oxidants | 1-hour[b] | 160 $\mu g/m^3$ (0.08 ppm) | (Same as primary) | The FRM measures $O_3$ (ozone). |
| Hydrocarbons (nonmethane) | 3-hour (6 to 9 a.m.) | 160 $\mu g/m^3$ (0.24 ppm) | (Same as primary) | The HC standard is a guide to devising State Implementation Plans to achieve the oxidant standard. The HC standard does not have to be met if the oxidant standard is met. |

[a] The air quality standards and a description of the Federal Reference Methods (FRM) were published on April 30, 1971, in 42 CFR 410, recodified to 40 CFR 50 on November 25, 1972. The new FRM for nitrogen dioxide was published on December 1, 1976, as 40 CFR 50, Appendix F.

[b] Not to be exceeded more than once per year.

Each section of this publication addresses one of the six pollutants (ozone included) listed in Table 2 and shows each acceptable collection and analysis technique represented in AEROS. When submitted, both continuous and noncontinuous sampling intervals are given. For uniformity, all summaries are shown in micrograms per cubic meter (μg/m$^3$) except carbon monoxide, which is given in milligrams per cubic meter (mg/m$^3$). Note that the pages are printed so that individual sections (pollutant-method combinations) may be removed and inserted in a loose-leaf notebook if desired.

The format employed in this publication provides both parametric and nonparametric indices of air quality. The number of observations, the minimum and maximum value measured for the period of record, and the odd deciles plus the 95th and 99th percentiles describe the distribution of observed values. The arithmetic and geometric means and standard deviations provide some measure of central tendency and dispersion.

Each summary line is preceded by the Air Quality Control Region within which the sampling site is located,[3] the city or county (parish, election district, or regional planning district), the three-digit site number within the city or county, and an Agency Type Code that indicates the type of agency responsible for the laboratory analysis. A Project Code is shown with the Agency Type Code to indicate the type of surveillance being conducted. Some principal Agency-Project Codes are given in Tables 3 and 4.

## SUMMARY CRITERIA

Ambient air quality observations that are reported to EPA must satisfy minimum summary criteria–the basis of which is sampling interval (e.g., continuous, noncontinuous) and period of coverage (e.g., quarterly, annually). The arithmetic mean, geometric mean, arithmetic standard deviation, and geometric standard deviation are calculated and summarized in this report for data having met these criteria. Reports that give the means and standard deviations even though the minimum summary criteria are not satisfied are available from the National Air Data Branch or the appropriate EPA Regional Office.

Criteria for continuous observations with sampling intervals of less than 24 hours are as follows:

1. Data representing quarterly periods must reflect a minimum of 75 percent of the total number of possible observations for the applicable quarter.

2. Data representing annual periods must reflect a minimum of 75 percent of the total number of possible observations for the applicable year.

Criteria for noncontinuous observations with sampling intervals of 24 hours or greater are as follows:

1. Data representing quarterly periods must reflect a minimum of five observations for the applicable quarter. Should there be no measurements in 1 of the 3 months of the quarter, each remaining month must have no less than two observations reported for the applicable period.

2. Data representing annual periods must reflect four quarters of observation that have satisfied the quarterly criteria.

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[3] *Directory of Air Quality Monitoring Sites Active in 1975.* EPA-450/2-77-009. U.S. Environmental Protection Agency, Office of Air and Waste Management, Office of Air Quality Planning and Standards, Research Triangle Park, NC 27711. May 1976.

## Table 3. SAROAD AGENCY TYPES

| | |
|---|---|
| A | EPA Headquarters group responsible for atmospheric surveillance |
| B | EPA Headquarters group responsible for meterological activity |
| C | EPA Headquarters group responsible for effects research |
| D | EPA Headquarters group responsible for atmospheric research |
| E | EPA Headquarters group responsible for abatement activity |
| F | State agency |
| G | County agency |
| H | City agency |
| I | District agency |
| J | Private |
| K | Institution (university, college, etc.) |
| L | Military |
| M | International agency |
| N | Other Federal nonmilitary agencies |
| P | EPA Regional Office group responsible for atmospheric surveillance |
| Q | World Meteorological Organization |
| R | World Health Organization |
| S-Y | Open for future expansion |
| Z | Other |

## Table 4. SAROAD PROJECT CLASSIFICATIONS

| | |
|---|---|
| 01 | Population-oriented surveillance |
| 02 | Source-oriented ambient surveillance |
| 03 | Background surveillance |
| 04 | Complaint investigation |
| 05 | Special studies |
| 06 | Episode monitoring |
| 08 | Global surveillance |
| 09 | Duplicate sampling |
| 10 | Continuous Air Monitoring Program |
| 11-99 | For Federal network and future expansion |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **ALABAMA** | | | | | | | | | | | | | | | | |
| 001 Clarke Co | 001 | F01 | 2 | 33. | 33. | 33. | 33. | 111. | 111. | 111. | 111. | 111. | | | | |
| 001 Demopolis | 002 | F01 | 9 | 44. | 44. | 51. | 85. | 106. | 128. | 128. | 128. | 128. | 82. | 32.50 | 75.62 | 1.52 |
| 001 Evergreen | 001 | F01 | 13 | 26. | 26. | 34. | 40. | 49. | 56. | 77. | 77. | 77. | 43. | 13.67 | 40.97 | 1.35 |
| 001 Selma | 002 | F01 | 7 | 43. | 43. | 68. | 72. | 77. | 160. | 160. | 160. | 160. | 80. | 38.46 | 73.43 | 1.52 |
| 002 Montgomery | 007 | F01 | 8 | 52. | 52. | 63. | 80. | 96. | 111. | 111. | 111. | 111. | | | | |
| | 008 | F01 | 8 | 33. | 33. | 45. | 57. | 89. | 123. | 123. | 123. | 123. | 68. | 33.09 | 61.14 | 1.63 |
| 002 Opelika | 001 | F01 | 13 | 23. | 38. | 50. | 58. | 81. | 102. | 121. | 121. | 121. | 65. | 26.77 | 60.12 | 1.54 |
| 002 Phenix City | 001 | F01 | 11 | 33. | 41. | 45. | 59. | 99. | 126. | 137. | 137. | 137. | 74. | 37.47 | 66.02 | 1.67 |
| 002 Troy | 002 | F01 | 10 | 28. | 28. | 34. | 48. | 62. | 71. | 85. | 85. | 85. | 52. | 19.42 | 48.46 | 1.48 |
| 003 Alexander City | 001 | F01 | 7 | 31. | 31. | 38. | 49. | 51. | 59. | 59. | 59. | 59. | 45. | 10.05 | 44.29 | 1.26 |
| 003 Anniston | 001 | F01 | 13 | 52. | 62. | 63. | 77. | 104. | 231. | 1825. | 1825. | 1825. | 224. | 483.32 | 104.98 | 2.56 |
| | 002 | F01 | 12 | 36. | 39. | 48. | 69. | 100. | 104. | 104. | 104. | 104. | 72. | 26.47 | 67.62 | 1.49 |
| 003 Childersburg | 001 | F01 | 12 | 37. | 40. | 41. | 49. | 63. | 81. | 105. | 105. | 105. | 56. | 20.69 | 53.43 | 1.39 |
| 003 Gadsden | 002 | F01 | 6 | 29. | 29. | 31. | 38. | 49. | 144. | 144. | 144. | 144. | 56. | 43.85 | 46.87 | 1.80 |
| | 003 | F02 | 12 | 40. | 51. | 65. | 103. | 126. | 148. | 160. | 160. | 160. | 99. | 41.75 | 90.58 | 1.60 |
| | 004 | F02 | 3 | 197. | 197. | 197. | 225. | 226. | 226. | 226. | 226. | 226. | | | | |
| 003 Sylacauga | 001 | F01 | 9 | 30. | 30. | [illegible] | 68. | 73. | 92. | 92. | 92. | 92. | 65. | 19.44 | 62.43 | 1.41 |
| 003 Talladega | 001 | F01 | 13 | 41. | 52. | 54. | 78. | 97. | 116. | 119. | 119. | 119. | 78. | 25.67 | 73.92 | 1.41 |
| 004 Bessemer | 001 | G01 | 73 | 37. | 59. | 80. | 94. | 129. | 178. | 191. | 226. | 226. | 109. | 45.71 | 100.18 | 1.52 |
| 004 Birmingham | 005 | G02 | 80 | 45. | 77. | 108. | 136. | 183. | 317. | 353. | 441. | 441. | 169. | 94.49 | 146.51 | 1.70 |
| | 010 | G01 | 13 | 48. | 57. | 58. | 85. | 100. | 123. | 130. | 130. | 130. | 84. | 26.01 | 80.43 | 1.37 |
| | 011 | G01 | 15 | 70. | 77. | 91. | 113. | 128. | 245. | 262. | 262. | 262. | 128. | 58.28 | 117.79 | 1.49 |
| | 012 | G01 | 86 | 41. | 62. | 87. | 98. | 112. | 145. | 167. | 200. | 200. | 103. | 33.15 | 97.58 | 1.39 |
| | 019 | G01 | 73 | 50. | 89. | 129. | 156. | 207. | 278. | 307. | 341. | 341. | 171. | 71.45 | 156.20 | 1.55 |
| | 020 | G02 | 45 | 27. | 47. | 79. | 95. | 118. | 178. | 211. | 285. | 285. | 107. | 53.34 | 95.13 | 1.64 |
| | 021 | G02 | 61 | 47. | 55. | 69. | 85. | 102. | 135. | 147. | 238. | 238. | 91. | 35.07 | 85.89 | 1.42 |
| 004 Center Point | 002 | G01 | 16 | 40. | 48. | 57. | 62. | 79. | 87. | 110. | 110. | 110. | 68. | 17.91 | 65.36 | 1.30 |
| 004 Clanton | 002 | F03 | 10 | 46. | 46. | 51. | 66. | 84. | 105. | 227. | 227. | 227. | 83. | 53.88 | 73.63 | 1.61 |
| 004 Fairfield | 003 | G02 | 72 | 43. | 55. | 72. | 86. | 110. | 136. | 150. | 209. | 209. | 94. | 32.43 | 88.85 | 1.41 |
| 004 Hueytown | 002 | G02 | 14 | 38. | 43. | 52. | 58. | 92. | 101. | 125. | 125. | 125. | 70. | 26.78 | 65.56 | 1.45 |
| 004 Irondale | 002 | G01 | 1 | 83. | 83. | 83. | 83. | 83. | 83. | 83. | 83. | 83. | | | | |
| 004 Jasper | 001 | F01 | 10 | 31. | 31. | 63. | 100. | 104. | 150. | 157. | 157. | 157. | | | | |
| 004 Leeds | 003 | G01 | 67 | 56. | 105. | 145. | 166. | 190. | 255. | 281. | 356. | 356. | 173. | 59.77 | 163.38 | 1.43 |
| 004 Oneonta | 001 | F01 | 9 | 41. | 41. | 64. | 86. | 92. | 129. | 129. | 129. | 129. | 81. | 30.29 | 75.25 | 1.49 |
| 004 Pell City | 001 | F01 | 3 | 53. | 53. | 53. | 63. | 73. | 73. | 73. | 73. | 73. | | | | |
| 004 Shelby Co | 002 | F01 | 6 | 37. | 37. | 48. | 51. | 55. | 60. | 60. | 60. | 60. | | | | |
| 004 Sumter Co | 001 | F01 | 2 | 119. | 119. | 119. | 119. | 300. | 300. | 300. | 300. | 300. | | | | |
| 004 Tarrant City | 001 | G01 | 60 | 45. | 81. | 119. | 149. | 175. | 221. | 238. | 370. | 370. | 154. | 58.86 | 142.76 | 1.50 |
| 004 Tuscaloosa | 003 | F01 | 6 | 45. | 45. | 79. | 84. | 130. | 132. | 132. | 132. | 132. | 95. | 33.13 | 89.31 | 1.49 |
| 005 Baldwin Co | 002 | F03 | 6 | 74. | 74. | 80. | 87. | 112. | 130. | 130. | 130. | 130. | | | | |
| 005 Brewton | 001 | F01 | 5 | 30. | 30. | 47. | 91. | 106. | 132. | 132. | 132. | 132. | 81. | 42.08 | 70.93 | 1.85 |
| 005 Chickasaw | 002 | G01 | 16 | 49. | 55. | 61. | 69. | 94. | 103. | 125. | 125. | 125. | 78. | 21.17 | 75.68 | 1.30 |
| 005 Mobile | 001 | G01 | 8 | 41. | 41. | 66. | 75. | 104. | 142. | 142. | 142. | 142. | 89. | 36.29 | 82.49 | 1.54 |
| | 002 | G01 | 62 | 22. | 34. | 52. | 61. | 77. | 95. | 107. | 141. | 141. | 65. | 24.41 | 60.49 | 1.50 |
| | 006 | G01 | 16 | 68. | 74. | 102. | 114. | 134. | 182. | 226. | 226. | 226. | 127. | 41.29 | 121.18 | 1.37 |
| | 008 | G01 | 86 | 28. | 45. | 64. | 93. | 108. | 139. | 148. | 350. | 350. | 92. | 44.03 | 83.32 | 1.56 |
| | 009 | G01 | 11 | 25. | 35. | 43. | 48. | 63. | 84. | 99. | 99. | 99. | 56. | 23.20 | 51.57 | 1.51 |
| 005 Mobile Co | 013 | G01 | 13 | 31. | 37. | 38. | 53. | 65. | 67. | 80. | 80. | 80. | 51. | 15.40 | 48.60 | 1.35 |
| | 021 | G01 | 15 | 44. | 45. | 62. | 73. | 83. | 102. | 123. | 123. | 123. | 74. | 22.38 | 70.79 | 1.35 |
| | 024 | G01 | 13 | 44. | 54. | 66. | 80. | 110. | 117. | 122. | 122. | 122. | 86. | 26.19 | 82.46 | 1.39 |
| | 025 | G02 | 13 | 44. | 47. | 54. | 63. | 82. | 89. | 161. | 161. | 161. | 73. | 30.05 | 68.43 | 1.40 |
| 005 Mountain Brook | 001 | G03 | 16 | 29. | 35. | 42. | 54. | 63. | 87. | 122. | 122. | 122. | 59. | 23.58 | 54.90 | 1.45 |
| 006 Abbeville | 001 | F01 | 6 | 26. | 26. | 30. | 31. | 47. | 57. | 57. | 57. | 57. | 38. | 11.83 | 36.90 | 1.35 |
| 006 Andalusia | 001 | F01 | 6 | 42. | 42. | 44. | 58. | 69. | 278. | 278. | 278. | 278. | 92. | 91.84 | 70.36 | 2.01 |
| 006 Dothan | 002 | F01 | 11 | 32. | 34. | 86. | 89. | 111. | 192. | 206. | 206. | 206. | 102. | 54.71 | 88.34 | 1.79 |
| 006 Eufaula | 001 | F01 | 11 | 38. | 43. | 50. | 65. | 77. | 100. | 101. | 101. | 101. | 66. | 22.09 | 62.69 | 1.40 |
| 007 Athens | 001 | G01 | 15 | 38. | 46. | 53. | 63. | 104. | 123. | 131. | 131. | 131. | 80. | 32.69 | 73.51 | 1.52 |
| | 003 | G01 | 15 | 54. | 55. | 60. | 86. | 105. | 129. | 224. | 224. | 224. | 93. | 43.11 | 86.31 | 1.48 |
| 007 Cullman | 002 | G01 | 13 | 48. | 49. | 72. | 76. | 94. | 104. | 121. | 121. | 121. | 79. | 21.57 | 76.48 | 1.32 |
| 007 Decatur | 001 | G01 | 64 | 31. | 47. | 70. | 87. | 110. | 165. | 188. | 211. | 211. | 98. | 44.23 | 88.75 | 1.57 |
| | 003 | G01 | 13 | 45. | 47. | 59. | 67. | 103. | 157. | 159. | 159. | 159. | 84. | 39.47 | 77.25 | 1.53 |
| | 005 | G01 | 15 | 53. | 66. | 70. | 84. | 121. | 150. | 179. | 179. | 179. | 99. | 37.41 | 93.26 | 1.44 |
| | 006 | G02 | 15 | 41. | 42. | 69. | 81. | 110. | 148. | 188. | 188. | 188. | 92. | 41.67 | 83.66 | 1.56 |
| 007 Florence | 003 | F01 | 13 | 41. | 42. | 59. | 74. | 88. | 106. | 194. | 194. | 194. | 80. | 39.06 | 73.93 | 1.50 |
| 007 Guntersville | 001 | F01 | 9 | 48. | 48. | 59. | 71. | 76. | 233. | 233. | 233. | 233. | 87. | 57.51 | 77.01 | 1.62 |
| 007 Hartselle | 001 | G01 | 14 | 32. | 39. | 51. | 60. | 76. | 113. | 138. | 138. | 138. | 72. | 30.88 | 66.03 | 1.53 |
| 007 Huntsville | 002 | H01 | 15 | 40. | 41. | 60. | 72. | 89. | 129. | 137. | 137. | 137. | 77. | 29.31 | 72.06 | 1.45 |
| | 003 | H01 | 16 | 40. | 41. | 57. | 70. | 98. | 112. | 128. | 128. | 128. | 77. | 26.89 | 71.98 | 1.45 |
| | 004 | H01 | 15 | 40. | 41. | 48. | 71. | 80. | 101. | 106. | 106. | 106. | 69. | 24.15 | 64.82 | 1.43 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **ALABAMA — Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 006 | H01 | 15 | 32. | 33. | 41. | 51. | 79. | 98. | 98. | 98. | 98. | 61. | 25.51 | 55.87 | 1.54 |
|  | 008 | H01 | 16 | 28. | 38. | 41. | 59. | 81. | 102. | 114. | 114. | 114. | 63. | 25.72 | 57.83 | 1.51 |
|  | 009 | H01 | 16 | 34. | 37. | 39. | 50. | 88. | 104. | 107. | 107. | 107. | 65. | 27.60 | 59.69 | 1.54 |
|  | 010 | H01 | 4 | 42. | 42. | 53. | 53. | 95. | 108. | 108. | 108. | 108. |  |  |  |  |
|  | 011 | H01 | 15 | 34. | 38. | 47. | 76. | 96. | 129. | 150. | 150. | 150. | 79. | 36.66 | 70.80 | 1.62 |
|  | 014 | H01 | 58 | 18. | 37. | 55. | 68. | 84. | 114. | 130. | 148. | 148. | 73. | 30.68 | 66.08 | 1.58 |
|  | 015 | H01 | 7 | 37. | 37. | 46. | 76. | 85. | 106. | 106. | 106. | 106. | 70. | 27.77 | 65.14 | 1.53 |
| 007 Jackson Co | 023 | F02 | 1 | 47. | 47. | 47. | 47. | 47. | 47. | 47. | 47. | 47. |  |  |  |  |
| 007 Lawrence Co | 001 | G03 | 15 | 30. | 33. | 48. | 73. | 89. | 102. | 107. | 107. | 107. | 69. | 27.14 | 63.70 | 1.54 |
| 007 Limestone Co | 001 | G02 | 15 | 38. | 38. | 45. | 75. | 95. | 113. | 182. | 182. | 182. | 78. | 39.46 | 69.66 | 1.62 |
| 007 Morgan Co | 001 | G01 | 14 | 37. | 46. | 51. | 52. | 88. | 120. | 132. | 132. | 132. | 73. | 30.86 | 67.11 | 1.51 |
| 007 Muscle Shoals | 001 | F01 | 13 | 45. | 58. | 62. | 95. | 98. | 131. | 149. | 149. | 149. | 89. | 30.60 | 84.10 | 1.42 |
| 007 Russellville | 001 | F01 | 1 | 89. | 89. | 89. | 89. | 89. | 89. | 89. | 89. | 89. |  |  |  |  |
| 007 Scottsboro | 002 | F01 | 13 | 43. | 46. | 54. | 67. | 85. | 110. | 149. | 149. | 149. | 75. | 30.24 | 69.81 | 1.45 |
| **ALASKA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 008 Anchorage | 003 | P01 | 5 | 25. | 25. | 89. | 108. | 117. | 171. | 171. | 171. | 171. | 102. | 52.67 | 86.52 | 2.08 |
|  | 005 | I01 | 12 | 27. | 39. | 58. | 65. | 149. | 188. | 260. | 260. | 260. | 106. | 73.77 | 83.97 | 2.05 |
|  | 006 | I01 | 15 | 3. | 15. | 25. | 38. | 50. | 120. | 178. | 178. | 178. | 49. | 45.15 | 34.12 | 2.58 |
|  | 009 | I01 | 12 | 9. | 13. | 23. | 48. | 87. | 101. | 266. | 266. | 266. | 68. | 70.59 | 44.62 | 2.67 |
|  | 010 | I01 | 11 | 3. | 16. | 21. | 33. | 41. | 51. | 54. | 54. | 54. | 32. | 15.85 | 26.18 | 2.27 |
| 008 Anchorage Ed | 004 | I03 | 7 | 10. | 10. | 17. | 51. | 91. | 142. | 142. | 142. | 142. | 66. | 56.84 | 41.86 | 3.04 |
| 008 Kenai | 001 | I01 | 12 | 1. | 20. | 24. | 31. | 55. | 108. | 112. | 112. | 112. | 46. | 34.23 | 30.56 | 3.39 |
|  | 002 | I01 | 11 | 11. | 16. | 49. | 83. | 99. | 147. | 176. | 176. | 176. | 79. | 51.92 | 60.17 | 2.41 |
| 008 Kenai-Cook Inlet Ed | 002 | I01 | 13 | 20. | 22. | 56. | 102. | 155. | 205. | 314. | 314. | 314. | 112. | 84.03 | 83.44 | 2.35 |
| 008 Matanuska-Susitna E:l | 002 | F03 | 14 | 17. | 24. | 66. | 92. | 161. | 255. | 290. | 290. | 290. | 120. | 85.29 | 89.21 | 2.38 |
| 009 Fairbanks | 001 | P01 | 16 | 46. | 50. | 71. | 99. | 137. | 334. | 506. | 506. | 506. | 146. | 124.06 | 114.67 | 1.96 |
|  | 011 | G01 | 16 | 30. | 44. | 55. | 85. | 165. | 261. | 392. | 392. | 392. | 132. | 100.73 | 101.85 | 2.10 |
| 009 Fairbanks Ed | 004 | G03 | 15 | 6. | 8. | 11. | 14. | 31. | 70. | 144. | 144. | 144. | 30. | 36.48 | 19.53 | 2.46 |
|  | 005 | G01 | 16 | 10. | 13. | 32. | 35. | 44. | 131. | 350. | 350. | 350. | 65. | 83.61 | 41.37 | 2.45 |
|  | 007 | G02 | 16 | 2. | 15. | 44. | 63. | 98. | 228. | 344. | 344. | 344. | 93. | 88.00 | 58.22 | 3.27 |
| 009 Yukon-Koyukuk Ed | 002 | F02 | 9 | 10. | 10. | 25. | 31. | 35. | 71. | 71. | 71. | 71. | 36. | 21.02 | 31.35 | 1.82 |
| 010 Seward Ed | 004 | I01 | 12 | 2. | 2. | 4. | 8. | 19. | 37. | 112. | 112. | 112. | 20. | 30.79 | 9.69 | 3.43 |
| 011 Haines Ed | 001 | F02 | 15 | 7. | 10. | 18. | 19. | 37. | 46. | 81. | 81. | 81. | 28. | 18.89 | 22.67 | 1.92 |
| 011 Juneau | 002 | F01 | 15 | 16. | 21. | 44. | 114. | 134. | 211. | 214. | 214. | 214. | 97. | 68.91 | 71.05 | 2.44 |
| **ARIZONA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 015 Glendale | 001 | G01 | 11 | 61. | 69. | 97. | 107. | 115. | 128. | 143. | 143. | 143. | 104. | 24.56 | 100.93 | 1.29 |
| 015 Mesa | 002 | G01 | 9 | 72. | 72. | 93. | 103. | 104. | 133. | 133. | 133. | 133. | 101. | 20.17 | 99.32 | 1.23 |
| 015 Phoenix | 002 | G01 | 8 | 70. | 70. | 148. | 170. | 202. | 226. | 226. | 226. | 226. | 169. | 51.67 | 159.59 | 1.47 |
|  | 004 | G01 | 11 | 45. | 59. | 100. | 111. | 114. | 127. | 135. | 135. | 135. | 100. | 29.14 | 94.99 | 1.42 |
|  | 013 | G01 | 11 | 80. | 82. | 99. | 120. | 132. | 141. | 148. | 148. | 148. | 114. | 25.33 | 110.96 | 1.26 |
| 015 Scottsdale | 003 | G01 | 11 | 69. | 88. | 97. | 104. | 118. | 126. | 145. | 145. | 145. | 107. | 21.01 | 104.57 | 1.23 |
|  | 004 | G01 | 10 | 131. | 131. | 162. | 195. | 236. | 307. | 417. | 417. | 417. | 230. | 86.11 | 216.72 | 1.42 |
| **ARKANSAS** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 016 Arkadelphia | 001 | F01 | 16 | 31. | 39. | 51. | 59. | 73. | 89. | 201. | 201. | 201. | 69. | 39.09 | 62.75 | 1.54 |
| 016 Conway | 001 | F01 | 16 | 51. | 58. | 62. | 75. | 115. | 143. | 146. | 146. | 146. | 90. | 33.31 | 84.40 | 1.44 |
| 016 Dumas | 001 | F01 | 14 | 61. | 65. | 79. | 88. | 116. | 157. | 171. | 171. | 171. | 101. | 35.03 | 95.87 | 1.40 |
| 016 England | 001 | F05 | 13 | 19. | 27. | 40. | 66. | 79. | 104. | 131. | 131. | 131. | 64. | 32.88 | 55.98 | 1.76 |
| 016 Hot Springs | 002 | F01 | 16 | 24. | 35. | 45. | 60. | 80. | 98. | 119. | 119. | 119. | 64. | 26.35 | 59.24 | 1.55 |
| 016 Jacksonville | 001 | F01 | 14 | 23. | 39. | 55. | 67. | 81. | 114. | 117. | 117. | 117. | 69. | 28.08 | 63.39 | 1.57 |
| 016 Jefferson Co | 001 | F05 | 14 | 28. | 36. | 47. | 50. | 108. | 119. | 130. | 130. | 130. | 75. | 37.21 | 65.71 | 1.70 |
|  | 002 | F05 | 13 | 21. | 32. | 40. | 58. | 100. | 116. | 117. | 117. | 117. | 68. | 35.46 | 59.32 | 1.77 |
|  | 003 | F05 | 6 | 36. | 36. | 39. | 49. | 54. | 148. | 148. | 148. | 148. | 63. | 42.26 | 55.30 | 1.66 |
| 016 Little Rock | 001 | F01 | 8 | 45. | 45. | 50. | 53. | 85. | 109. | 109. | 109. | 109. | 71. | 24.65 | 67.09 | 1.42 |
|  | 003 | F01 | 15 | 37. | 40. | 56. | 75. | 94. | 114. | 130. | 130. | 130. | 76. | 28.71 | 71.33 | 1.48 |
| 016 Mountain Home | 001 | F01 | 1 | 72. | 72. | 72. | 72. | 72. | 72. | 72. | 72. | 72. |  |  |  |  |
| 016 North Little Rock | 001 | F01 | 14 | 30. | 53. | 60. | 63. | 76. | 116. | 131. | 131. | 131. | 74. | 26.55 | 69.41 | 1.44 |
| 016 Pine Bluff | 005 | F01 | 15 | 34. | 35. | 42. | 50. | 78. | 100. | 101. | 101. | 101. | 62. | 25.34 | 57.56 | 1.50 |
| 016 Russellville | 002 | F01 | 16 | 40. | 41. | 51. | 59. | 78. | 116. | 117. | 117. | 117. | 69. | 24.86 | 65.45 | 1.41 |
| 016 Saline Co | 001 | F01 | 16 | 46. | 52. | 62. | 76. | 101. | 129. | 169. | 169. | 169. | 86. | 33.13 | 80.15 | 1.44 |
| 017 Fayetteville | 003 | F01 | 13 | 46. | 54. | 62. | 69. | 84. | 90. | 104. | 104. | 104. | 72. | 16.65 | 70.21 | 1.27 |
| 017 Fort Smith | 008 | F01 | 16 | 41. | 45. | 52. | 66. | 81. | 109. | 110. | 110. | 110. | 70. | 21.60 | 67.33 | 1.36 |
| 017 Rogers | 001 | F01 | 16 | 47. | 49. | 56. | 64. | 83. | 93. | 95. | 95. | 95. | 70. | 16.61 | 67.87 | 1.28 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **ARKANSAS — Cont.** | | | | | | | | | | | | | | | | |
| 017 Springdale | 002 | F01 | 16 | 37. | 38. | 45. | 50. | 68. | 77. | 79. | 79. | 79. | 55. | 14.66 | 53.24 | 1.30 |
| 017 Van Buren | 001 | F01 | 16 | 35. | 36. | 41. | 49. | 68. | 77. | 111. | 111. | 111. | 57. | 20.05 | 54.13 | 1.38 |
| 018 Earle | 001 | F01 | 15 | 38. | 49. | 64. | 72. | 90. | 138. | 172. | 172. | 172. | 83. | 36.87 | 76.51 | 1.51 |
| 018 West Memphis | 001 | F01 | 14 | 38. | 48. | 61. | 75. | 92. | 149. | 184. | 184. | 184. | 86. | 41.14 | 77.83 | 1.56 |
| | 002 | F01 | 16 | 39. | 40. | 58. | 69. | 98. | 131. | 163. | 163. | 163. | 83. | 37.46 | 75.42 | 1.56 |
| | 004 | F01 | 7 | 51. | 51. | 66. | 79. | 90. | 217. | 217. | 217. | 217. | 101. | 60.84 | 88.82 | 1.70 |
| 019 Camden | 001 | F01 | 15 | 32. | 34. | 38. | 49. | 70. | 80. | 103. | 103. | 103. | 56. | 21.40 | 52.24 | 1.44 |
| 019 Crossett | 002 | F01 | 16 | 38. | 39. | 49. | 69. | 107. | 126. | 228. | 228. | 228. | 84. | 48.47 | 73.62 | 1.66 |
| 019 El Dorado | 002 | F01 | 16 | 38. | 40. | 42. | 57. | 65. | 89. | 110. | 110. | 110. | 61. | 20.92 | 58.05 | 1.39 |
| 020 Blytheville | 001 | F01 | 16 | 45. | 52. | 63. | 87. | 103. | 132. | 184. | 184. | 184. | 89. | 36.04 | 83.32 | 1.47 |
| 020 Forrest City | 001 | F01 | 16 | 56. | 60. | 82. | 90. | 124. | 202. | 209. | 209. | 209. | 105. | 45.04 | 97.66 | 1.46 |
| 020 Helena | 001 | F01 | 16 | 44. | 45. | 72. | 86. | 101. | 144. | 197. | 197. | 197. | 92. | 38.72 | 85.49 | 1.50 |
| 020 Jonesboro | 001 | F01 | 16 | 49. | 51. | 63. | 75. | 108. | 159. | 179. | 179. | 179. | 94. | 40.39 | 86.79 | 1.51 |
| 020 Paragould | 004 | F01 | 16 | 33. | 41. | 63. | 76. | 107. | 139. | 144. | 144. | 144. | 84. | 33.20 | 78.03 | 1.53 |
| 020 Sharp Co | 001 | F01 | 1 | 55. | 55. | 55. | 55. | 55. | 55. | 55. | 55. | 55. | | | | |
| 020 Stuttgart | 001 | F01 | 15 | 31. | 56. | 59. | 70. | 128. | 203. | 216. | 216. | 216. | 102. | 56.38 | 88.50 | 1.74 |
| | 004 | F05 | 15 | 61. | 77. | 114. | 143. | 162. | 271. | 334. | 334. | 334. | 160. | 78.92 | 143.56 | 1.61 |
| | 005 | F05 | 9 | 71. | 71. | 142. | 151. | 196. | 362. | 362. | 362. | 362. | 181. | 87.20 | 163.70 | 1.61 |
| | 008 | F05 | 14 | 27. | 44. | 56. | 75. | 104. | 143. | 233. | 233. | 233. | 91. | 53.77 | 78.04 | 1.76 |
| | 009 | F05 | 16 | 35. | 35. | 65. | 86. | 137. | 267. | 286. | 286. | 286. | 111. | 73.90 | 92.53 | 1.85 |
| 021 Harrison | 001 | F01 | 16 | 34. | 49. | 56. | 61. | 77. | 96. | 101. | 101. | 101. | 67. | 18.23 | 64.40 | 1.32 |
| 021 Montgomery Co | 001 | F03 | 6 | 15. | 15. | 24. | 46. | 48. | 53. | 53. | 53. | 53. | 39. | 15.54 | 35.56 | 1.67 |
| 022 Hope | 002 | F01 | 16 | 44. | 48. | 64. | 75. | 82. | 96. | 102. | 102. | 102. | 73. | 17.42 | 70.72 | 1.29 |
| | 003 | F05 | 16 | 33. | 40. | 56. | 61. | 68. | 89. | 91. | 91. | 91. | 63. | 16.59 | 60.31 | 1.33 |
| 022 Magnolia | 001 | F01 | 16 | 36. | 43. | 54. | 77. | 95. | 104. | 106. | 106. | 106. | 76. | 24.40 | 71.34 | 1.43 |
| 022 Texarkana | 001 | F01 | 8 | 38. | 38. | 46. | 54. | 68. | 85. | 85. | 85. | 85. | 59. | 18.45 | 56.54 | 1.37 |
| | 002 | F01 | 16 | 34. | 36. | 41. | 65. | 67. | 87. | 89. | 89. | 89. | 60. | 18.94 | 56.90 | 1.39 |
| **COLORADO** | | | | | | | | | | | | | | | | |
| 014 Archuleta Co | 001 | F01 | 20 | 18. | 43. | 64. | 88. | 106. | 175. | 189. | 221. | 221. | 101. | 54.07 | 86.69 | 1.81 |
| 014 Durango | 003 | F01 | 23 | 30. | 36. | 51. | 62. | 76. | 116. | 148. | 189. | 189. | 70. | 37.15 | 63.32 | 1.56 |
| 014 La Plata Co | 001 | F03 | 20 | 4. | 13. | 31. | 38. | 45. | 96. | 112. | 180. | 180. | 51. | 40.43 | 39.05 | 2.24 |
| 014 Mesa Verde Nat Park | 002 | P03 | 2 | 7. | 7. | 7. | 7. | 36. | 36. | 36. | 36. | 36. | | | | |
| | 003 | F03 | 14 | 5. | 15. | 35. | 39. | 53. | 83. | 92. | 92. | 92. | 43. | 25.18 | 34.27 | 2.19 |
| 034 La Junta | 001 | F01 | 23 | 27. | 34. | 43. | 77. | 87. | 106. | 132. | 159. | 159. | 72. | 33.54 | 64.52 | 1.62 |
| 034 Lamar | 001 | F01 | 17 | 26. | 28. | 82. | 110. | 135. | 233. | 249. | 249. | 249. | 111. | 67.93 | 89.75 | 2.07 |
| 034 Rocky Ford | 001 | F01 | 23 | 29. | 37. | 52. | 70. | 79. | 87. | 91. | 164. | 164. | 68. | 27.80 | 63.30 | 1.48 |
| 035 Delta | 001 | F01 | 22 | 37. | 51. | 76. | 90. | 106. | 140. | 154. | 191. | 191. | 94. | 36.75 | 86.98 | 1.49 |
| 035 Eagle Co | 001 | F01 | 12 | 17. | 18. | 34. | 35. | 64. | 93. | 192. | 192. | 192. | 56. | 48.47 | 43.39 | 1.99 |
| | 003 | F01 | 3 | 53. | 53. | 53. | 192. | 280. | 280. | 280. | 280. | 280. | | | | |
| | 004 | F01 | 16 | 11. | 40. | 88. | 99. | 135. | 142. | 218. | 218. | 218. | 103. | 49.16 | 87.67 | 2.02 |
| 035 Garfield Co | 001 | F01 | 23 | 46. | 54. | 73. | 106. | 117. | 125. | 128. | 142. | 142. | 95. | 28.57 | 90.60 | 1.40 |
| | 003 | F01 | 1 | 83. | 83. | 83. | 83. | 83. | 83. | 83. | 83. | 83. | | | | |
| 035 Glenwood Springs | 001 | F01 | 12 | 27. | 40. | 42. | 50. | 57. | 112. | 132. | 132. | 132. | 60. | 30.79 | 54.05 | 1.54 |
| 035 Grand Junction | 010 | F01 | 22 | 37. | 50. | 63. | 71. | 96. | 128. | 136. | 158. | 158. | 82. | 32.48 | 76.56 | 1.49 |
| 035 Gunnison Co | 002 | F01 | 21 | 23. | 34. | 57. | 72. | 96. | 115. | 118. | 151. | 151. | 77. | 33.47 | 69.10 | 1.63 |
| 035 Mesa Co | 001 | F01 | 23 | 28. | 43. | 61. | 78. | 91. | 110. | 131. | 132. | 132. | 78. | 28.09 | 72.33 | 1.49 |
| | 002 | F01 | 22 | 18. | 39. | 51. | 63. | 87. | 112. | 115. | 158. | 158. | 72. | 31.99 | 65.01 | 1.61 |
| 035 Montrose | 001 | F01 | 20 | 38. | 45. | 55. | 73. | 82. | 114. | 151. | 152. | 152. | 79. | 31.87 | 74.02 | 1.46 |
| 035 Pitkin Co | 001 | F01 | 20 | 27. | 40. | 67. | 86. | 107. | 128. | 186. | 202. | 202. | 93. | 43.33 | 84.46 | 1.60 |
| 035 San Miguel Co | 001 | F01 | 21 | 23. | 44. | 95. | 130. | 146. | 198. | 208. | 236. | 236. | 119. | 61.30 | 99.97 | 1.96 |
| 036 Adams Co | 001 | F01 | 22 | 27. | 33. | 59. | 84. | 100. | 129. | 135. | 170. | 170. | 84. | 38.13 | 74.76 | 1.68 |
| 036 Arvada | 003 | F01 | 21 | 19. | 32. | 61. | 69. | 97. | 109. | 124. | 126. | 126. | 74. | 30.62 | 66.30 | 1.69 |
| 036 Aurora | 001 | F01 | 19 | 13. | 14. | 44. | 59. | 63. | 106. | 113. | 113. | 113. | 57. | 26.22 | 50.42 | 1.76 |
| 036 Boulder | 001 | F01 | 19 | 26. | 33. | 55. | 90. | 102. | 122. | 144. | 144. | 144. | 82. | 33.28 | 74.40 | 1.61 |
| 036 Brighton | 001 | F01 | 18 | 15. | 20. | 47. | 74. | 92. | 109. | 139. | 139. | 139. | 70. | 33.45 | 60.39 | 1.82 |
| 036 Broomfield | 001 | F01 | 22 | 20. | 35. | 53. | 61. | 75. | 88. | 96. | 131. | 131. | 64. | 24.18 | 59.65 | 1.50 |
| 036 Clear Creek Co | 001 | F01 | 23 | 18. | 33. | 56. | 79. | 93. | 101. | 118. | 156. | 156. | 75. | 31.33 | 67.60 | 1.64 |
| 036 Denver | 001 | F01 | 21 | 35. | 51. | 66. | 81. | 90. | 113. | 120. | 130. | 130. | 80. | 25.33 | 76.06 | 1.41 |
| | 002 | P01 | 5 | 51. | 51. | 98. | 98. | 99. | 124. | 124. | 124. | 124. | | | | |
| | 003 | F01 | 4 | 56. | 56. | 77. | 77. | 77. | 127. | 127. | 127. | 127. | | | | |
| | 003 | F02 | 18 | 24. | 39. | 65. | 81. | 91. | 121. | 176. | 176. | 176. | 82. | 35.82 | 74.28 | 1.61 |
| | 007 | F01 | 23 | 19. | 36. | 56. | 63. | 67. | 101. | 125. | 151. | 151. | 65. | 29.81 | 59.31 | 1.58 |
| | 009 | F01 | 22 | 15. | 33. | 56. | 71. | 80. | 120. | 129. | 145. | 145. | 73. | 35.11 | 63.16 | 1.82 |
| | 012 | F01 | 14 | 43. | 58. | 80. | 151. | 198. | 231. | 236. | 236. | 236. | 143. | 68.72 | 124.44 | 1.79 |
| 036 Edgewater | 001 | F01 | 23 | 15. | 35. | 53. | 69. | 77. | 94. | 127. | 135. | 135. | 68. | 29.27 | 61.14 | 1.69 |
| 036 Englewood | 001 | F01 | 20 | 26. | 39. | 50. | 68. | 82. | 106. | 121. | 160. | 160. | 73. | 31.65 | 67.12 | 1.53 |
| 036 Golden | 001 | F01 | 21 | 29. | 38. | 50. | 65. | 73. | 95. | 103. | 140. | 140. | 66. | 26.93 | 61.09 | 1.50 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **COLORADO — Cont.** | | | | | | | | | | | | | | | | |
| 036 Jefferson Co | 001 | F02 | 23 | 3. | 10. | 26. | 50. | 61. | 98. | 103. | 107. | 107. | 47. | 29.14 | 35.77 | 2.42 |
| 036 Lakewood | 001 | F01 | 22 | 22. | 39. | 49. | 63. | 71. | 83. | 92. | 122. | 122. | 62. | 22.09 | 58.37 | 1.47 |
| 036 Littleton | 002 | F01 | 22 | 19. | 28. | 55. | 59. | 79. | 101. | 121. | 174. | 174. | 67. | 35.19 | 58.96 | 1.70 |
| 036 Longmont | 001 | F01 | 22 | 18. | 28. | 53. | 78. | 83. | 103. | 106. | 112. | 112. | 70. | 27.40 | 63.79 | 1.65 |
| 036 Westminster | 002 | F01 | 21 | 15. | 33. | 52. | 64. | 76. | 85. | 101. | 105. | 105. | 62. | 23.96 | 56.01 | 1.67 |
| 037 Brush | 001 | F01 | 17 | 25. | 26. | 55. | 60. | 69. | 114. | 230. | 230. | 230. | 72. | 48.83 | 60.54 | 1.81 |
| 037 Fort Collins | 001 | F01 | 23 | 22. | 32. | 49. | 65. | 80. | 88. | 106. | 126. | 126. | 63. | 25.81 | 58.10 | 1.57 |
| 037 Greeley | 003 | F01 | 22 | 10. | 12. | 23. | 33. | 64. | 84. | 87. | 111. | 111. | 44. | 28.82 | 34.80 | 2.07 |
| 037 Gunnison | 001 | F01 | 11 | 29. | 38. | 45. | 49. | 58. | 62. | 89. | 89. | 89. | 52. | 16.02 | 50.00 | 1.35 |
| 037 Loveland | 002 | F01 | 20 | 32. | 37. | 63. | 68. | 77. | 98. | 120. | 129. | 129. | 73. | 24.93 | 68.90 | 1.42 |
| 037 Sterling | 001 | F01 | 23 | 12. | 23. | 56. | 72. | 97. | 141. | 204. | 233. | 233. | 81. | 53.49 | 65.67 | 2.00 |
| 037 Weld Co | 003 | F01 | 21 | 18. | 39. | 89. | 138. | 152. | 181. | 181. | 187. | 187. | 117. | 54.75 | 99.41 | 1.96 |
| | 004 | F01 | 23 | 11. | 21. | 52. | 62. | 106. | 129. | 129. | 152. | 152. | 73. | 39.08 | 60.92 | 1.96 |
| | 005 | F01 | 23 | 11. | 22. | 49. | 61. | 77. | 94. | 112. | 154. | 154. | 64. | 31.69 | 55.49 | 1.82 |
| | 006 | F01 | 4 | 143. | 143. | 217. | 217. | 236. | 866. | 866. | 866. | 866. | | | | |
| 038 Arapahoe Co | 001 | F01 | 19 | 24. | 25. | 44. | 53. | 60. | 69. | 123. | 123. | 123. | 53. | 21.70 | 48.88 | 1.48 |
| 038 Canon City | 001 | F01 | 23 | 17. | 24. | 36. | 51. | 63. | 85. | 118. | 134. | 134. | 54. | 29.29 | 47.82 | 1.68 |
| 038 Colorado Springs | 004 | F01 | 21 | 28. | 41. | 60. | 76. | 81. | 112. | 145. | 255. | 255. | 83. | 48.99 | 72.54 | 1.66 |
| 038 Florence | 001 | F01 | 20 | 16. | 44. | 53. | 60. | 73. | 89. | 90. | 91. | 91. | 63. | 18.64 | 59.82 | 1.47 |
| 038 Manitou Springs | 001 | F01 | 21 | 22. | 41. | 65. | 84. | 106. | 174. | 180. | 259. | 259. | 97. | 56.42 | 82.86 | 1.78 |
| 038 Pueblo | 001 | F01 | 23 | 28. | 50. | 74. | 96. | 128. | 145. | 241. | 263. | 263. | 106. | 56.92 | 92.99 | 1.70 |
| | 003 | F01 | 23 | 26. | 46. | 69. | 87. | 132. | 173. | 269. | 281. | 281. | 108. | 65.02 | 92.64 | 1.79 |
| 038 Trinidad | 002 | F01 | 12 | 44. | 49. | 60. | 68. | 98. | 112. | 114. | 114. | 114. | 77. | 24.04 | 73.10 | 1.37 |
| 038 Walsenburg | 001 | F01 | 21 | 39. | 45. | 54. | 69. | 89. | 115. | 119. | 158. | 158. | 77. | 31.11 | 71.40 | 1.48 |
| 039 Alamosa | 001 | F01 | 21 | 32. | 36. | 56. | 65. | 82. | 97. | 99. | 103. | 103. | 66. | 22.09 | 62.15 | 1.43 |
| 039 Alamosa Co | 001 | F03 | 21 | 1. | 9. | 11. | 20. | 29. | 40. | 50. | 75. | 75. | 24. | 17.44 | 17.18 | 2.65 |
| 039 Rio Blanco Co | 001 | F01 | 19 | 11. | 15. | 37. | 45. | 56. | 91. | 159. | 159. | 159. | 52. | 32.27 | 43.90 | 1.82 |
| | 002 | F01 | 22 | 19. | 39. | 45. | 52. | 88. | 108. | 114. | 159. | 159. | 68. | 32.88 | 60.85 | 1.63 |
| | 003 | F03 | 8 | 7. | 7. | 9. | 9. | 16. | 57. | 57. | 57. | 57. | | | | |
| 040 Craig | 001 | F01 | 20 | 56. | 86. | 126. | 145. | 167. | 200. | 207. | 346. | 346. | 153. | 59.85 | 143.40 | 1.46 |
| 040 Routt Co | 003 | F01 | 11 | 54. | 107. | 123. | 141. | 166. | 199. | 340. | 340. | 340. | 156. | 73.50 | 141.70 | 1.58 |
| **CONNECTICUT** | | | | | | | | | | | | | | | | |
| 041 Groton | 123 | F01 | 16 | 28. | 30. | 37. | 62. | 75. | 102. | 132. | 132. | 132. | 62. | 28.16 | 56.26 | 1.57 |
| 041 Norwich | 001 | F01 | 16 | 33. | 35. | 46. | 57. | 66. | 105. | 115. | 115. | 115. | 61. | 23.09 | 56.98 | 1.43 |
| 041 Old Saybrook | 001 | F01 | 16 | 48. | 50. | 58. | 70. | 85. | 112. | 137. | 137. | 137. | 75. | 23.85 | 71.94 | 1.34 |
| 041 Waterford | 001 | F02 | 16 | 19. | 20. | 33. | 42. | 55. | 92. | 113. | 113. | 113. | 49. | 26.70 | 42.86 | 1.69 |
| 042 Ansonia | 003 | F01 | 16 | 32. | 36. | 49. | 66. | 75. | 89. | 108. | 108. | 108. | 65. | 21.23 | 61.46 | 1.42 |
| 042 Bristol | 001 | F01 | 16 | 33. | 36. | 53. | 69. | 83. | 122. | 134. | 134. | 134. | 74. | 30.86 | 68.10 | 1.54 |
| | 004 | F02 | 16 | 35. | 49. | 55. | 63. | 79. | 106. | 121. | 121. | 121. | 70. | 22.08 | 66.74 | 1.36 |
| 042 Derby | 123 | F01 | 16 | 23. | 37. | 50. | 57. | 70. | 95. | 106. | 106. | 106. | 62. | 21.85 | 58.55 | 1.47 |
| 042 East Hartford | 002 | F01 | 16 | 25. | 30. | 44. | 54. | 71. | 111. | 116. | 116. | 116. | 61. | 26.36 | 55.66 | 1.55 |
| 042 Enfield | 123 | F01 | 11 | 26. | 31. | 47. | 55. | 60. | 75. | 86. | 86. | 86. | 55. | 19.17 | 51.30 | 1.47 |
| 042 Hartford | 002 | F01 | 16 | 31. | 39. | 45. | 50. | 71. | 81. | 103. | 103. | 103. | 59. | 18.95 | 56.51 | 1.38 |
| | 003 | F01 | 27 | 41. | 54. | 67. | 79. | 88. | 152. | 165. | 178. | 178. | 87. | 34.35 | 81.30 | 1.43 |
| | 123 | F01 | 15 | 41. | 46. | 64. | 79. | 98. | 125. | 157. | 157. | 157. | 83. | 30.84 | 77.59 | 1.44 |
| 042 Manchester | 001 | F01 | 16 | 28. | 31. | 42. | 53. | 69. | 75. | 96. | 96. | 96. | 55. | 19.13 | 51.91 | 1.43 |
| 042 Meriden | 002 | F01 | 16 | 33. | 39. | 61. | 68. | 83. | 104. | 133. | 133. | 133. | 72. | 26.19 | 67.99 | 1.45 |
| | 005 | F01 | 16 | 27. | 31. | 59. | 78. | 109. | 150. | 214. | 214. | 214. | 87. | 48.21 | 75.32 | 1.75 |
| 042 Middletown | 003 | F01 | 16 | 30. | 37. | 43. | 55. | 73. | 115. | 116. | 116. | 116. | 64. | 26.94 | 58.70 | 1.50 |
| 042 Milford | 001 | F01 | 16 | 25. | 31. | 41. | 58. | 68. | 111. | 137. | 137. | 137. | 62. | 29.83 | 55.53 | 1.59 |
| | 002 | F01 | 16 | 32. | 36. | 46. | 62. | 81. | 121. | 129. | 129. | 129. | 67. | 28.51 | 61.97 | 1.51 |
| 042 Naugatuck | 001 | F01 | 16 | 37. | 41. | 49. | 73. | 87. | 104. | 112. | 112. | 112. | 72. | 23.87 | 67.69 | 1.42 |
| 042 New Britain | 003 | F01 | 16 | 42. | 64. | 83. | 113. | 164. | 216. | 280. | 280. | 280. | 127. | 64.87 | 112.87 | 1.66 |
| | 123 | F01 | 30 | 31. | 33. | 44. | 58. | 70. | 89. | 115. | 127. | 127. | 62. | 24.03 | 58.36 | 1.43 |
| 042 New Haven | 001 | F01 | 16 | 24. | 34. | 53. | 79. | 86. | 112. | 141. | 141. | 141. | 72. | 30.73 | 65.04 | 1.62 |
| | 002 | F01 | 16 | 36. | 41. | 55. | 63. | 76. | 115. | 128. | 128. | 128. | 69. | 24.35 | 65.45 | 1.39 |
| 042 Wallingford | 001 | F01 | 13 | 40. | 40. | 47. | 53. | 64. | 103. | 122. | 122. | 122. | 62. | 24.42 | 58.89 | 1.40 |
| 042 Waterbury | 002 | F01 | 15 | 32. | 33. | 56. | 71. | 85. | 98. | 140. | 140. | 140. | 73. | 27.78 | 67.71 | 1.50 |
| | 123 | F01 | 31 | 38. | 59. | 71. | 79. | 86. | 94. | 174. | 192. | 192. | 83. | 31.13 | 78.23 | 1.38 |
| 043 Bridgeport | 001 | F01 | 16 | 36. | 39. | 49. | 68. | 81. | 100. | 134. | 134. | 134. | 70. | 25.54 | 65.59 | 1.44 |
| | 123 | F01 | 31 | 32. | 44. | 59. | 85. | 94. | 145. | 180. | 187. | 187. | 86. | 39.65 | 77.91 | 1.57 |
| 043 Danbury | 123 | F01 | 16 | 28. | 31. | 52. | 63. | 80. | 131. | 143. | 143. | 143. | 70. | 33.18 | 63.37 | 1.61 |
| 043 Greenwich | 001 | F01 | 16 | 34. | 38. | 51. | 59. | 78. | 133. | 137. | 137. | 137. | 73. | 32.82 | 66.96 | 1.53 |
| | 003 | F01 | 14 | 33. | 34. | 48. | 50. | 68. | 87. | 123. | 123. | 123. | 61. | 24.47 | 57.40 | 1.45 |
| | 004 | F01 | 16 | 25. | 31. | 36. | 59. | 82. | 105. | 112. | 112. | 112. | 62. | 28.01 | 55.52 | 1.62 |
| | 008 | F01 | 16 | 22. | 30. | 67. | 87. | 105. | 135. | 141. | 141. | 141. | 88. | 35.23 | 78.97 | 1.69 |
| 043 Haddam | 002 | F02 | 15 | 22. | 24. | 33. | 45. | 54. | 76. | 88. | 88. | 88. | 46. | 19.26 | 42.16 | 1.53 |

# PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours
### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **CONNECTICUT — Cont.** | | | | | | | | | | | | | | | | |
| 043 Norwalk | 005 | F01 | 16 | 29. | 37. | 60. | 64. | 85. | 135. | 140. | 140. | 140. | 73. | 31.50 | 66.97 | 1.53 |
| 043 Stamford | 007 | F01 | 16 | 43. | 43. | 51. | 72. | 95. | 125. | 187. | 187. | 187. | 82. | 38.07 | 74.80 | 1.54 |
| | 123 | F01 | 16 | 36. | 37. | 52. | 62. | 78. | 117. | 148. | 148. | 148. | 70. | 30.40 | 64.96 | 1.50 |
| 043 Stratford | 001 | F01 | 16 | 16. | 20. | 32. | 47. | 66. | 101. | 107. | 107. | 107. | 54. | 27.38 | 47.25 | 1.74 |
| | 005 | F01 | 16 | 37. | 40. | 54. | 66. | 79. | 114. | 139. | 139. | 139. | 71. | 27.85 | 65.93 | 1.46 |
| 044 North Canaan | 001 | F01 | 16 | 23. | 25. | 35. | 42. | 55. | 75. | 102. | 102. | 102. | 49. | 20.88 | 44.95 | 1.51 |
| 044 Torrington | 123 | F01 | 16 | 43. | 50. | 57. | 82. | 104. | 135. | 187. | 187. | 187. | 89. | 37.41 | 82.34 | 1.49 |
| **DISTRICT OF COLUMBIA** | | | | | | | | | | | | | | | | |
| 047 Washington | 003 | I02 | 26 | 9. | 25. | 60. | 70. | 110. | 175. | 200. | 373. | 373. | 94. | 74.30 | 72.11 | 2.20 |
| | 005 | I02 | 14 | 8. | 33. | 70. | 84. | 101. | 193. | 193. | 193. | 193. | 96. | 56.86 | 75.63 | 2.29 |
| | 007 | I02 | 22 | 24. | 50. | 65. | 88. | 190. | 226. | 248. | 322. | 322. | 126. | 81.58 | 101.50 | 2.01 |
| | 008 | I02 | 15 | 17. | 45. | 56. | 70. | 106. | 135. | 157. | 157. | 157. | 81. | 39.40 | 71.26 | 1.76 |
| | 012 | I01 | 15 | 44. | 52. | 71. | 89. | 131. | 218. | 245. | 245. | 245. | 114. | 65.06 | 98.03 | 1.75 |
| | 013 | I02 | 15 | 28. | 29. | 52. | 76. | 154. | 223. | 408. | 408. | 408. | 122. | 103.99 | 89.66 | 2.24 |
| | 014 | I02 | 24 | 7. | 36. | 60. | 79. | 86. | 152. | 157. | 402. | 402. | 90. | 76.29 | 70.45 | 2.11 |
| | 015 | I02 | 13 | 47. | 47. | 59. | 80. | 102. | 181. | 230. | 230. | 230. | 98. | 56.17 | 86.64 | 1.65 |
| | 017 | I02 | 13 | 37. | 49. | 65. | 121. | 142. | 250. | 269. | 269. | 269. | 122. | 77.59 | 100.67 | 1.91 |
| **FLORIDA** | | | | | | | | | | | | | | | | |
| 005 Panama City | 002 | F01 | 14 | 13. | 21. | 33. | 37. | 53. | 63. | 66. | 66. | 66. | 41. | 16.09 | 37.65 | 1.58 |
| | 003 | F01 | 16 | 34. | 36. | 48. | 56. | 79. | 125. | 152. | 152. | 152. | 70. | 33.63 | 63.59 | 1.55 |
| 005 Pensacola | 002 | F01 | 14 | 28. | 31. | 60. | 62. | 72. | 92. | 154. | 154. | 154. | 67. | 31.55 | 61.31 | 1.57 |
| | 004 | F01 | 16 | 20. | 24. | 36. | 50. | 64. | 70. | 84. | 84. | 84. | 50. | 18.04 | 46.77 | 1.50 |
| 005 Port St Joe | 001 | F01 | 7 | 33. | 33. | 55. | 56. | 65. | 96. | 96. | 96. | 96. | 61. | 23.24 | 57.48 | 1.48 |
| 048 Brevard Co | 004 | F02 | 16 | 27. | 28. | 37. | 42. | 64. | 86. | 94. | 94. | 94. | 52. | 21.86 | 47.69 | 1.49 |
| | 005 | J02 | 27 | 20. | 25. | 30. | 37. | 40. | 67. | 85. | 96. | 96. | 42. | 19.20 | 38.29 | 1.50 |
| | 006 | J02 | 30 | 23. | 24. | 28. | 35. | 49. | 69. | 96. | 106. | 106. | 43. | 21.67 | 39.26 | 1.55 |
| 048 Merritt Island | 002 | F01 | 16 | 26. | 28. | 33. | 40. | 56. | 81. | 111. | 111. | 111. | 50. | 23.37 | 45.37 | 1.51 |
| 048 Orlando | 003 | F01 | 16 | 41. | 46. | 49. | 64. | 78. | 87. | 94. | 94. | 94. | 64. | 16.89 | 62.16 | 1.31 |
| | 004 | F01 | 16 | 36. | 41. | 51. | 56. | 76. | 94. | 98. | 98. | 98. | 64. | 19.13 | 61.47 | 1.35 |
| 048 Osceola Co | 001 | F03 | 16 | 20. | 30. | 32. | 35. | 42. | 67. | 113. | 113. | 113. | 42. | 21.49 | 38.87 | 1.47 |
| 048 Sanford | 002 | F01 | 16 | 31. | 35. | 41. | 47. | 66. | 260. | 266. | 266. | 266. | 81. | 74.77 | 62.13 | 1.94 |
| 048 Seminole Co | 001 | J02 | 16 | 33. | 36. | 56. | 63. | 73. | 81. | 88. | 88. | 88. | 63. | 15.39 | 60.67 | 1.31 |
| 048 Titusville | 001 | F02 | 16 | 25. | 27. | 34. | 36. | 53. | 79. | 80. | 80. | 80. | 45. | 18.14 | 41.80 | 1.46 |
| 048 Volusia Co | 001 | J02 | 16 | 31. | 33. | 39. | 42. | 50. | 73. | 81. | 81. | 81. | 48. | 14.56 | 46.06 | 1.32 |
| 049 Alachua Co | 009 | G01 | 8 | 26. | 26. | 29. | 36. | 71. | 131. | 131. | 131. | 131. | 58. | 38.24 | 48.69 | 1.85 |
| 049 Fernandina Beach | 003 | F01 | 14 | 27. | 31. | 42. | 44. | 57. | 71. | 102. | 102. | 102. | 52. | 19.83 | 48.91 | 1.43 |
| 049 Gainesville | 003 | G01 | 6 | 29. | 29. | 41. | 42. | 75. | 173. | 173. | 173. | 173. | 68. | 53.59 | 56.27 | 1.88 |
| | 005 | G01 | 7 | 20. | 20. | 31. | 47. | 49. | 49. | 49. | 49. | 49. | 39. | 11.91 | 37.60 | 1.42 |
| | 008 | G01 | 10 | 28. | 28. | 36. | 38. | 71. | 89. | 213. | 213. | 213. | 70. | 55.25 | 57.24 | 1.87 |
| | 010 | G02 | 5 | 19. | 19. | 20. | 26. | 36. | 42. | 42. | 42. | 42. | 29. | 10.09 | 27.22 | 1.42 |
| | 011 | G01 | 7 | 26. | 26. | 35. | 36. | 42. | 110. | 110. | 110. | 110. | 48. | 29.00 | 42.90 | 1.62 |
| | 012 | G01 | 8 | 24. | 24. | 36. | 40. | 52. | 115. | 115. | 115. | 115. | 51. | 29.15 | 45.31 | 1.65 |
| | 013 | G01 | 1 | 36. | 36. | 36. | 36. | 36. | 36. | 36. | 36. | 36. | | | | |
| 049 Green Cove Springs | 002 | F01 | 15 | 26. | 48. | 53. | 63. | 83. | 100. | 121. | 121. | 121. | 68. | 24.10 | 63.67 | 1.45 |
| 049 Jacksonville | 004 | H02 | 52 | 32. | 41. | 56. | 71. | 86. | 130. | 156. | 172. | 172. | 80. | 36.64 | 72.91 | 1.55 |
| | 017 | H01 | 13 | 25. | 31. | 43. | 48. | 63. | 77. | 110. | 110. | 110. | 54. | 22.28 | 50.40 | 1.47 |
| | 031 | H01 | 12 | 31. | 37. | 45. | 49. | 58. | 74. | 78. | 78. | 78. | 53. | 13.87 | 50.84 | 1.31 |
| | 033 | H01 | 16 | 45. | 48. | 52. | 56. | 71. | 80. | 106. | 106. | 106. | 64. | 16.09 | 61.93 | 1.26 |
| | 038 | H01 | 12 | 33. | 34. | 45. | 55. | 60. | 72. | 143. | 143. | 143. | 59. | 28.86 | 54.89 | 1.47 |
| | 039 | H01 | 15 | 48. | 55. | 64. | 72. | 80. | 103. | 130. | 130. | 130. | 76. | 20.83 | 73.37 | 1.29 |
| | 040 | H01 | 15 | 32. | 32. | 38. | 49. | 55. | 78. | 86. | 86. | 86. | 51. | 16.91 | 48.57 | 1.38 |
| | 042 | H03 | 14 | 22. | 22. | 36. | 40. | 53. | 72. | 73. | 73. | 73. | 46. | 16.85 | 42.69 | 1.48 |
| | 043 | H03 | 12 | 34. | 36. | 42. | 45. | 63. | 67. | 88. | 88. | 88. | 53. | 16.00 | 51.18 | 1.34 |
| | 045 | H02 | 13 | 26. | 36. | 39. | 42. | 50. | 60. | 65. | 65. | 65. | 45. | 10.88 | 43.55 | 1.28 |
| | 049 | H01 | 11 | 35. | 36. | 48. | 52. | 63. | 74. | 79. | 79. | 79. | 55. | 14.12 | 53.24 | 1.30 |
| | 053 | H02 | 16 | 43. | 46. | 53. | 56. | 82. | 90. | 101. | 101. | 101. | 67. | 17.89 | 64.32 | 1.30 |
| | 059 | H01 | 12 | 15. | 48. | 54. | 65. | 74. | 81. | 92. | 92. | 92. | 63. | 20.06 | 58.31 | 1.60 |
| | 061 | H02 | 12 | 9. | 30. | 39. | 42. | 51. | 69. | 77. | 77. | 77. | 46. | 18.26 | 41.42 | 1.74 |
| | 062 | H02 | 13 | 28. | 34. | 45. | 48. | 60. | 79. | 85. | 85. | 85. | 54. | 16.66 | 51.63 | 1.37 |
| | 063 | H02 | 12 | 36. | 44. | 48. | 53. | 72. | 77. | 78. | 78. | 78. | 58. | 14.38 | 56.77 | 1.29 |
| | 068 | H02 | 11 | 29. | 35. | 46. | 53. | 59. | 71. | 84. | 84. | 84. | 54. | 15.71 | 51.50 | 1.36 |
| 049 Perry | 003 | F01 | 3 | 38. | 38. | 38. | 43. | 55. | 55. | 55. | 55. | 55. | | | | |
| 049 Putnam Co | 001 | F01 | 15 | 23. | 24. | 28. | 35. | 42. | 52. | 61. | 61. | 61. | 36. | 11.43 | 34.89 | 1.36 |
| | 003 | J02 | 29 | 26. | 27. | 39. | 55. | 72. | 104. | 106. | 154. | 154. | 60. | 29.40 | 54.49 | 1.58 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **FLORIDA — Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 004 | J02 | 30 | 20. | 22. | 28. | 33. | 37. | 50. | 63. | 92. | 92. | 36. | 15.28 | 33.47 | 1.43 |
| 049 Tallahassee | 003 | F01 | 14 | 28. | 28. | 45. | 49. | 62. | 78. | 85. | 85. | 85. | 52. | 17.15 | 49.54 | 1.41 |
|  | 005 | F01 | 11 | 34. | 35. | 39. | 46. | 50. | 59. | 59. | 59. | 59. | 46. | 8.90 | 44.76 | 1.22 |
| 050 Bay Harbor Islands | 001 | G01 | 7 | 42. | 42. | 51. | 61. | 62. | 69. | 69. | 69. | 69. | 57. | 10.88 | 56.22 | 1.22 |
| 050 Belle Glade | 001 | G01 | 16 | 37. | 42. | 51. | 63. | 88. | 132. | 154. | 154. | 154. | 75. | 33.67 | 68.86 | 1.52 |
| 050 Boca Raton | 001 | G01 | 16 | 30. | 31. | 36. | 42. | 48. | 73. | 106. | 106. | 106. | 47. | 19.51 | 44.09 | 1.41 |
|  | 002 | G01 | 16 | 15. | 19. | 27. | 30. | 41. | 66. | 93. | 93. | 93. | 36. | 19.74 | 32.31 | 1.59 |
| 050 Carol City | 001 | G01 | 12 | 39. | 47. | 50. | 55. | 79. | 105. | 135. | 135. | 135. | 70. | 28.23 | 65.35 | 1.45 |
| 050 Dade Co | 001 | G01 | 8 | 40. | 40. | 53. | 60. | 66. | 103. | 103. | 103. | 103. | 63. | 18.87 | 60.92 | 1.32 |
|  | 002 | G01 | 15 | 43. | 45. | 55. | 61. | 71. | 89. | 126. | 126. | 126. | 65. | 21.08 | 62.69 | 1.33 |
|  | 003 | G01 | 12 | 29. | 30. | 33. | 35. | 38. | 55. | 99. | 99. | 99. | 42. | 19.35 | 39.37 | 1.41 |
|  | 012 | G01 | 9 | 24. | 24. | 30. | 32. | 38. | 57. | 57. | 57. | 57. | 35. | 9.51 | 33.58 | 1.28 |
|  | 013 | G01 | 12 | 40. | 42. | 73. | 87. | 101. | 114. | 167. | 167. | 167. | 87. | 34.48 | 80.86 | 1.51 |
| 050 Davie | 002 | G03 | 15 | 26. | 26. | 36. | 52. | 62. | 102. | 115. | 115. | 115. | 54. | 25.78 | 49.47 | 1.55 |
| 050 Delray Beach | 002 | G01 | 15 | 26. | 29. | 37. | 45. | 53. | 81. | 110. | 110. | 110. | 49. | 21.78 | 45.10 | 1.47 |
| 050 Fort Lauderdale | 003 | G03 | 15 | 40. | 43. | 56. | 68. | 83. | 99. | 126. | 126. | 126. | 72. | 23.59 | 68.60 | 1.38 |
|  | 004 | G03 | 13 | 27. | 33. | 38. | 44. | 62. | 70. | 113. | 113. | 113. | 51. | 22.99 | 47.43 | 1.47 |
| 050 Fort Pierce | 001 | F05 | 16 | 53. | 57. | 71. | 81. | 101. | 134. | 234. | 234. | 234. | 94. | 42.94 | 87.90 | 1.43 |
|  | 002 | F03 | 16 | 26. | 29. | 36. | 50. | 52. | 81. | 141. | 141. | 141. | 52. | 27.39 | 47.34 | 1.51 |
|  | 003 | F05 | 15 | 30. | 35. | 40. | 46. | 55. | 76. | 120. | 120. | 120. | 53. | 22.88 | 49.74 | 1.43 |
|  | 004 | F05 | 16 | 34. | 47. | 49. | 57. | 78. | 102. | 126. | 126. | 126. | 68. | 25.95 | 64.27 | 1.44 |
|  | 005 | F05 | 16 | 17. | 36. | 39. | 48. | 69. | 88. | 151. | 151. | 151. | 60. | 31.10 | 53.15 | 1.64 |
|  | 006 | J03 | 11 | 33. | 35. | 44. | 49. | 64. | 92. | 154. | 154. | 154. | 62. | 35.04 | 55.82 | 1.58 |
|  | 007 | J03 | 15 | 33. | 33. | 48. | 51. | 61. | 151. | 248. | 248. | 248. | 70. | 56.65 | 58.90 | 1.72 |
|  | 008 | J03 | 16 | 25. | 26. | 35. | 37. | 41. | 78. | 143. | 143. | 143. | 46. | 28.92 | 41.56 | 1.55 |
| 050 Hallandale | 001 | G03 | 10 | 35. | 35. | 42. | 47. | 53. | 66. | 98. | 98. | 98. | 53. | 18.33 | 50.90 | 1.35 |
| 050 Hialeah | 001 | G01 | 8 | 30. | 30. | 56. | 57. | 70. | 103. | 103. | 103. | 103. | 64. | 21.91 | 60.57 | 1.44 |
| 050 Hollywood | 001 | G03 | 13 | 35. | 37. | 43. | 47. | 60. | 128. | 143. | 143. | 143. | 63. | 34.56 | 56.53 | 1.57 |
| 050 Homestead | 001 | G01 | 9 | 34. | 34. | 37. | 44. | 63. | 98. | 98. | 98. | 98. | 52. | 20.92 | 48.80 | 1.43 |
| 050 Lake Worth | 001 | G01 | 14 | 31. | 38. | 39. | 43. | 50. | 74. | 123. | 123. | 123. | 52. | 23.75 | 48.87 | 1.43 |
| 050 Lauderdale Lakes | 001 | G03 | 13 | 32. | 39. | 46. | 51. | 71. | 80. | 134. | 134. | 134. | 61. | 26.51 | 57.02 | 1.46 |
| 050 Margate | 001 | G03 | 15 | 26. | 30. | 34. | 39. | 53. | 72. | 75. | 75. | 75. | 45. | 16.58 | 42.59 | 1.41 |
| 050 Martin Co | 003 | F03 | 4 | 40. | 40. | 69. | 69. | 107. | 186. | 186. | 186. | 186. |  |  |  |  |
| 050 Miami | 002 | G01 | 16 | 25. | 31. | 38. | 44. | 56. | 85. | 96. | 96. | 96. | 51. | 19.28 | 47.64 | 1.43 |
|  | 004 | G01 | 8 | 53. | 53. | 58. | 62. | 73. | 92. | 92. | 92. | 92. | 67. | 12.69 | 66.15 | 1.20 |
|  | 007 | G01 | 2 | 74. | 74. | 74. | 74. | 103. | 103. | 103. | 103. | 103. |  |  |  |  |
| 050 Miami Beach | 007 | G01 | 7 | 33. | 33. | 39. | 44. | 48. | 65. | 65. | 65. | 65. | 46. | 11.05 | 44.92 | 1.26 |
| 050 Miami Springs | 001 | G01 | 8 | 38. | 38. | 46. | 48. | 55. | 88. | 88. | 88. | 88. | 55. | 15.74 | 53.55 | 1.30 |
| 050 North Miami Beach | 001 | G01 | 16 | 25. | 32. | 36. | 38. | 47. | 76. | 80. | 80. | 80. | 46. | 16.58 | 43.15 | 1.39 |
| 050 North Palm Beach | 001 | G01 | 14 | 17. | 23. | 25. | 28. | 34. | 52. | 106. | 106. | 106. | 36. | 21.88 | 32.20 | 1.55 |
| 050 Okeechobee | 002 | F03 | 15 | 19. | 19. | 26. | 36. | 41. | 59. | 104. | 104. | 104. | 39. | 21.52 | 35.18 | 1.58 |
| 050 Opa-Locka | 001 | G01 | 11 | 41. | 47. | 48. | 57. | 66. | 90. | 127. | 127. | 127. | 65. | 25.00 | 61.54 | 1.39 |
| 050 Pahokee | 001 | G01 | 15 | 19. | 24. | 28. | 45. | 55. | 63. | 107. | 107. | 107. | 47. | 22.31 | 42.17 | 1.59 |
| 050 Palm Beach Co | 001 | G01 | 16 | 10. | 12. | 27. | 30. | 32. | 64. | 91. | 91. | 91. | 33. | 19.20 | 29.37 | 1.67 |
|  | 005 | G01 | 16 | 29. | 30. | 37. | 42. | 46. | 76. | 124. | 124. | 124. | 48. | 23.24 | 44.42 | 1.44 |
|  | 006 | G01 | 15 | 14. | 18. | 30. | 35. | 41. | 66. | 93. | 93. | 93. | 39. | 19.64 | 34.70 | 1.60 |
| 050 Pembroke Pines | 001 | G03 | 14 | 26. | 34. | 52. | 63. | 75. | 112. | 142. | 142. | 142. | 70. | 32.56 | 63.05 | 1.60 |
| 050 Perrine | 002 | G01 | 14 | 24. | 30. | 31. | 32. | 42. | 55. | 100. | 100. | 100. | 42. | 18.94 | 38.96 | 1.43 |
| 050 Plantation | 001 | G03 | 14 | 33. | 37. | 51. | 71. | 93. | 164. | 166. | 166. | 166. | 84. | 47.10 | 73.50 | 1.71 |
| 050 Pompano Beach | 002 | G03 | 16 | 23. | 29. | 31. | 40. | 54. | 77. | 117. | 117. | 117. | 48. | 23.75 | 43.91 | 1.52 |
|  | 003 | G03 | 13 | 29. | 30. | 33. | 39. | 42. | 53. | 98. | 98. | 98. | 42. | 18.10 | 40.09 | 1.38 |
| 050 Stuart | 002 | F03 | 16 | 33. | 36. | 41. | 50. | 69. | 82. | 137. | 137. | 137. | 58. | 25.88 | 54.28 | 1.46 |
| 050 Tamarac | 001 | G03 | 14 | 24. | 25. | 28. | 33. | 39. | 66. | 104. | 104. | 104. | 41. | 21.80 | 36.89 | 1.52 |
| 050 Tequesta | 001 | G01 | 16 | 21. | 22. | 30. | 36. | 43. | 71. | 108. | 108. | 108. | 42. | 22.54 | 37.92 | 1.55 |
| 050 Vero Beach | 001 | F03 | 16 | 22. | 24. | 33. | 36. | 46. | 80. | 118. | 118. | 118. | 45. | 23.71 | 41.28 | 1.52 |
| 050 West Miami | 001 | G01 | 10 | 26. | 26. | 36. | 46. | 59. | 83. | 191. | 191. | 191. | 63. | 48.19 | 52.60 | 1.77 |
| 050 West Palm Beach | 001 | G01 | 16 | 23. | 25. | 35. | 40. | 50. | 98. | 140. | 140. | 140. | 52. | 31.44 | 45.29 | 1.66 |
| 051 Clewiston | 001 | F01 | 16 | 17. | 24. | 31. | 45. | 57. | 78. | 101. | 101. | 101. | 49. | 22.59 | 43.93 | 1.61 |
| 051 Fort Myers | 002 | F01 | 16 | 30. | 34. | 35. | 39. | 48. | 68. | 113. | 113. | 113. | 47. | 20.54 | 44.25 | 1.40 |
| 051 Glades Co | 001 | F01 | 13 | 29. | 44. | 47. | 54. | 65. | 75. | 124. | 124. | 124. | 59. | 22.68 | 55.67 | 1.40 |
| 051 Highlands Co | 001 | F03 | 16 | 20. | 20. | 22. | 24. | 34. | 49. | 97. | 97. | 97. | 32. | 19.11 | 29.19 | 1.52 |
| 051 Naples | 002 | F01 | 11 | 32. | 37. | 39. | 47. | 53. | 61. | 73. | 73. | 73. | 48. | 12.23 | 46.66 | 1.28 |
|  | 003 | F01 | 5 | 22. | 22. | 26. | 29. | 50. | 222. | 222. | 222. | 222. |  |  |  |  |
| 051 Punta Gorda | 002 | F01 | 14 | 22. | 23. | 27. | 30. | 33. | 36. | 102. | 102. | 102. | 35. | 19.84 | 31.94 | 1.44 |
| 051 Sarasota | 001 | G03 | 60 | 25. | 30. | 38. | 49. | 59. | 75. | 83. | 106. | 106. | 51. | 17.77 | 48.49 | 1.39 |
| 051 Sarasota Co | 001 | G03 | 15 | 20. | 20. | 27. | 33. | 44. | 52. | 83. | 83. | 83. | 37. | 16.49 | 34.54 | 1.49 |
|  | 002 | G03 | 14 | 36. | 42. | 49. | 52. | 66. | 78. | 100. | 100. | 100. | 58. | 16.83 | 56.20 | 1.31 |
|  | 006 | G03 | 13 | 31. | 36. | 42. | 52. | 57. | 91. | 100. | 100. | 100. | 55. | 20.17 | 51.86 | 1.40 |
| 051 Sebring | 001 | F01 | 15 | 24. | 29. | 35. | 41. | 53. | 62. | 117. | 117. | 117. | 47. | 22.34 | 43.78 | 1.47 |

# PARTICULATE, micrograms per cubic meter (25 C)
# HI-VOL GRAVIMETRIC, 24 hours

1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **FLORIDA — Cont.** | | | | | | | | | | | | | | | | |
| 052 Bartow | 002 | F01 | 15 | 39. | 49. | 61. | 63. | 74. | 111. | 121. | 121. | 121. | 72. | 23.19 | 68.89 | 1.36 |
| 052 Bradenton | 002 | G02 | 9 | 61. | 61. | 77. | 96. | 112. | 135. | 135. | 135. | 135. | 96. | 23.63 | 92.91 | 1.29 |
| | 003 | G02 | 4 | 33. | 33. | 37. | 37. | 56. | 80. | 80. | 80. | 80. | | | | |
| | 004 | G02 | 10 | 20. | 20. | 30. | 54. | 67. | 138. | 158. | 158. | 158. | 69. | 49.99 | 53.56 | 2.12 |
| 052 Brandon | 001 | G01 | 13 | 38. | 46. | 50. | 52. | 64. | 104. | 110. | 110. | 110. | 62. | 21.84 | 58.80 | 1.36 |
| 052 Brooksville | 001 | F01 | 10 | 39. | 39. | 50. | 56. | 68. | 75. | 91. | 91. | 91. | 61. | 15.43 | 59.48 | 1.29 |
| 052 Citrus Co | 001 | F01 | 5 | 43. | 43. | 47. | 85. | 108. | 121. | 121. | 121. | 121. | | | | |
| 052 Hillsborough Co | 003 | G01 | 15 | 24. | 36. | 38. | 40. | 45. | 55. | 74. | 74. | 74. | 43. | 11.38 | 41.86 | 1.28 |
| | 017 | G03 | 13 | 20. | 26. | 28. | 39. | 44. | 61. | 67. | 67. | 67. | 39. | 13.65 | 37.20 | 1.41 |
| | 019 | G01 | 14 | 22. | 31. | 40. | 45. | 48. | 58. | 79. | 79. | 79. | 45. | 14.03 | 43.09 | 1.37 |
| | 021 | G02 | 12 | 30. | 36. | 38. | 48. | 57. | 58. | 83. | 83. | 83. | 49. | 14.34 | 47.24 | 1.32 |
| | 022 | G02 | 12 | 37. | 38. | 43. | 44. | 59. | 71. | 75. | 75. | 75. | 52. | 13.12 | 50.57 | 1.28 |
| | 064 | G02 | 15 | 44. | 46. | 56. | 68. | 90. | 98. | 99. | 99. | 99. | 73. | 20.19 | 70.49 | 1.33 |
| | 066 | G02 | 15 | 9. | 32. | 41. | 47. | 60. | 69. | 83. | 83. | 83. | 49. | 17.94 | 44.97 | 1.68 |
| 052 Lakeland | 001 | F01 | 15 | 42. | 49. | 51. | 63. | 74. | 92. | 97. | 97. | 97. | 66. | 17.85 | 63.48 | 1.31 |
| | 002 | F01 | 12 | 36. | 41. | 48. | 58. | 62. | 88. | 122. | 122. | 122. | 62. | 23.58 | 58.38 | 1.40 |
| 052 Largo | 001 | G01 | 9 | 24. | 24. | 34. | 41. | 62. | 72. | 72. | 72. | 72. | 45. | 16.62 | 42.57 | 1.45 |
| 052 Manatee Co | 004 | G03 | 12 | 30. | 30. | 41. | 45. | 59. | 72. | 94. | 94. | 94. | 52. | 19.40 | 49.26 | 1.44 |
| | 005 | G02 | 14 | 24. | 29. | 37. | 49. | 64. | 83. | 84. | 84. | 84. | 53. | 20.09 | 48.84 | 1.50 |
| | 011 | G02 | 13 | 16. | 28. | 36. | 45. | 72. | 78. | 118. | 118. | 118. | 53. | 27.09 | 46.61 | 1.68 |
| | 012 | G02 | 12 | 34. | 43. | 52. | 60. | 96. | 173. | 300. | 300. | 300. | 95. | 75.32 | 77.41 | 1.86 |
| 052 Mulberry | 001 | F01 | 12 | 50. | 72. | 77. | 85. | 110. | 122. | 141. | 141. | 141. | 93. | 25.60 | 89.94 | 1.33 |
| 052 Pinellas Co | 001 | G01 | 13 | 20. | 26. | 32. | 51. | 62. | 74. | 74. | 74. | 74. | 48. | 17.76 | 44.28 | 1.51 |
| | 002 | G01 | 10 | 52. | 52. | 52. | 76. | 88. | 112. | 153. | 153. | 153. | 81. | 32.40 | 76.18 | 1.44 |
| 052 Plant City | 001 | G01 | 12 | 32. | 45. | 47. | 56. | 67. | 80. | 83. | 83. | 83. | 58. | 15.26 | 56.01 | 1.32 |
| 052 Polk Co | 001 | F02 | 13 | 30. | 34. | 45. | 55. | 97. | 105. | 106. | 106. | 106. | 64. | 28.22 | 58.93 | 1.56 |
| | 002 | F02 | 12 | 29. | 35. | 46. | 51. | 69. | 105. | 121. | 121. | 121. | 65. | 30.24 | 59.02 | 1.58 |
| | 004 | F01 | 13 | 27. | 39. | 46. | 51. | 60. | 70. | 113. | 113. | 113. | 56. | 20.64 | 53.20 | 1.40 |
| 052 St Petersburg | 003 | H01 | 15 | 35. | 35. | 45. | 49. | 72. | 80. | 85. | 85. | 85. | 58. | 17.95 | 55.19 | 1.37 |
| | 012 | H01 | 16 | 38. | 41. | 43. | 48. | 78. | 100. | 189. | 189. | 189. | 66. | 37.91 | 59.32 | 1.54 |
| | 013 | H01 | 15 | 14. | 28. | 45. | 51. | 58. | 68. | 86. | 86. | 86. | 50. | 17.07 | 46.41 | 1.54 |
| | 015 | H01 | 15 | 42. | 45. | 52. | 67. | 74. | 108. | 224. | 224. | 224. | 77. | 45.24 | 69.35 | 1.55 |
| | 018 | H01 | 14 | 22. | 31. | 43. | 56. | 62. | 92. | 110. | 110. | 110. | 57. | 24.96 | 52.00 | 1.57 |
| | 020 | G01 | 12 | 30. | 35. | 41. | 50. | 57. | 59. | 65. | 65. | 65. | 49. | 11.00 | 47.43 | 1.27 |
| | 021 | H01 | 15 | 22. | 23. | 38. | 41. | 62. | 78. | 106. | 106. | 106. | 51. | 22.86 | 46.04 | 1.57 |
| 052 Tampa | 002 | G02 | 11 | 46. | 51. | 53. | 65. | 90. | 116. | 123. | 123. | 123. | 75. | 27.78 | 71.15 | 1.43 |
| | 006 | G02 | 14 | 30. | 31. | 40. | 49. | 59. | 88. | 91. | 91. | 91. | 55. | 21.25 | 51.47 | 1.47 |
| | 018 | G02 | 12 | 46. | 58. | 60. | 75. | 96. | 125. | 131. | 131. | 131. | 82. | 26.85 | 78.18 | 1.38 |
| | 024 | G02 | 14 | 53. | 55. | 67. | 71. | 85. | 91. | 93. | 93. | 93. | 75. | 13.32 | 73.49 | 1.20 |
| | 030 | G01 | 13 | 35. | 40. | 45. | 53. | 64. | 77. | 82. | 82. | 82. | 56. | 14.33 | 53.96 | 1.29 |
| | 034 | G02 | 16 | 31. | 34. | 42. | 49. | 60. | 67. | 84. | 84. | 84. | 51. | 14.09 | 49.33 | 1.31 |
| | 035 | G02 | 84 | 34. | 50. | 64. | 76. | 91. | 116. | 125. | 138. | 138. | 79. | 25.18 | 75.16 | 1.39 |
| 052 Tarpon Springs | 001 | G02 | 7 | 40. | 40. | 72. | 107. | 108. | 128. | 128. | 128. | 128. | | | | |
| 052 Temple Terrace | 001 | G01 | 13 | 28. | 29. | 35. | 42. | 51. | 57. | 81. | 81. | 81. | 44. | 14.61 | 41.92 | 1.36 |
| **GEORGIA** | | | | | | | | | | | | | | | | |
| 002 Americus | 001 | F01 | 13 | 19. | 32. | 48. | 58. | 73. | 101. | 128. | 128. | 128. | 63. | 28.53 | 56.93 | 1.62 |
| 002 Columbus | 001 | F01 | 14 | 42. | 44. | 49. | 54. | 76. | 85. | 105. | 105. | 105. | 63. | 18.90 | 61.01 | 1.33 |
| | 003 | F01 | 15 | 32. | 47. | 51. | 60. | 73. | 90. | 104. | 104. | 104. | 64. | 19.95 | 61.35 | 1.37 |
| 049 Brunswick | 001 | F01 | 15 | 30. | 35. | 43. | 48. | 56. | 77. | 89. | 89. | 89. | 52. | 16.02 | 49.64 | 1.34 |
| | 002 | F01 | 15 | 35. | 44. | 52. | 65. | 82. | 104. | 126. | 126. | 126. | 69. | 25.98 | 64.66 | 1.44 |
| | 003 | F01 | 12 | 26. | 32. | 33. | 47. | 63. | 79. | 83. | 83. | 83. | 52. | 20.17 | 48.57 | 1.50 |
| 049 Catoosa Co | 001 | F01 | 14 | 35. | 37. | 43. | 52. | 67. | 96. | 105. | 105. | 105. | 60. | 22.53 | 56.51 | 1.43 |
| 053 Augusta | 003 | F01 | 14 | 23. | 24. | 47. | 50. | 65. | 90. | 99. | 99. | 99. | 56. | 22.71 | 51.63 | 1.56 |
| | 004 | F01 | 10 | 20. | 20. | 48. | 63. | 89. | 98. | 113. | 113. | 113. | 70. | 28.97 | 63.47 | 1.67 |
| 053 Jefferson Co | 001 | F01 | 6 | 36. | 36. | 67. | 73. | 102. | 112. | 112. | 112. | 112. | 81. | 28.08 | 76.16 | 1.52 |
| 054 Lyons | 002 | F01 | 8 | 20. | 20. | 29. | 30. | 43. | 72. | 72. | 72. | 72. | 41. | 19.94 | 37.39 | 1.58 |
| 054 Macon | 006 | F01 | 15 | 21. | 27. | 37. | 42. | 54. | 66. | 67. | 67. | 67. | 45. | 14.10 | 42.48 | 1.40 |
| | 007 | F01 | 16 | 41. | 41. | 46. | 61. | 80. | 87. | 94. | 94. | 94. | 63. | 17.59 | 60.45 | 1.33 |
| | 008 | F01 | 15 | 38. | 44. | 52. | 70. | 84. | 107. | 122. | 122. | 122. | 72. | 24.62 | 68.43 | 1.42 |
| | 009 | F01 | 55 | 22. | 32. | 47. | 58. | 76. | 94. | 125. | 138. | 138. | 64. | 27.45 | 58.22 | 1.54 |
| | 010 | F01 | 16 | 25. | 39. | 46. | 55. | 81. | 95. | 101. | 101. | 101. | 61. | 22.38 | 57.60 | 1.46 |
| 054 Milledgeville | 001 | F01 | 15 | 19. | 35. | 38. | 46. | 52. | 59. | 59. | 59. | 59. | 45. | 10.86 | 43.30 | 1.33 |
| 054 Sandersville | 001 | F01 | 15 | 47. | 49. | 78. | 95. | 110. | 212. | 266. | 266. | 266. | 112. | 61.09 | 99.37 | 1.63 |
| 055 Cartersville | 001 | F01 | 14 | 28. | 38. | 58. | 68. | 78. | 85. | 122. | 122. | 122. | 68. | 23.83 | 63.44 | 1.47 |
| 055 Dalton | 001 | F01 | 10 | 27. | 27. | 36. | 45. | 55. | 81. | 102. | 102. | 102. | 55. | 23.80 | 50.78 | 1.52 |
| 055 Rome | 001 | F01 | 15 | 34. | 44. | 59. | 65. | 76. | 91. | 98. | 98. | 98. | 66. | 17.42 | 63.83 | 1.33 |
| | 003 | F01 | 14 | 36. | 43. | 56. | 64. | 87. | 122. | 138. | 138. | 138. | 77. | 31.29 | 71.21 | 1.50 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **GEORGIA — Cont.** | | | | | | | | | | | | | | | | |
| 055 Rossville | 002 | F01 | 15 | 48. | 49. | 56. | 88. | 107. | 125. | 139. | 139. | 139. | 86. | 31.23 | 80.24 | 1.47 |
| 056 Atlanta | 001 | G01 | 8 | 47. | 47. | 79. | 86. | 109. | 114. | 114. | 114. | 114. | 89. | 23.08 | 85.71 | 1.34 |
| | 031 | G01 | 15 | 18. | 36. | 50. | 66. | 72. | 93. | 105. | 105. | 105. | 64. | 23.15 | 59.34 | 1.56 |
| | 032 | G01 | 16 | 30. | 33. | 43. | 52. | 61. | 80. | 84. | 84. | 84. | 54. | 15.55 | 51.97 | 1.34 |
| | 034 | F01 | 52 | 29. | 53. | 68. | 84. | 102. | 126. | 143. | 153. | 153. | 86. | 30.06 | 80.24 | 1.49 |
| | 035 | G01 | 13 | 25. | 39. | 44. | 61. | 78. | 105. | 108. | 108. | 108. | 65. | 25.39 | 60.29 | 1.53 |
| | 036 | G02 | 7 | 37. | 37. | 54. | 55. | 82. | 93. | 93. | 93. | 93. | 65. | 21.51 | 62.02 | 1.41 |
| | 038 | G02 | 15 | 44. | 48. | 91. | 99. | 103. | 164. | 264. | 264. | 264. | 109. | 52.36 | 99.43 | 1.54 |
| | 039 | G01 | 12 | 50. | 53. | 77. | 84. | 99. | 124. | 252. | 252. | 252. | 98. | 53.37 | 88.86 | 1.53 |
| | 040 | G02 | 10 | 37. | 37. | 56. | 65. | 77. | 90. | 100. | 100. | 100. | 69. | 19.01 | 66.67 | 1.34 |
| | 041 | G01 | 15 | 37. | 54. | 61. | 69. | 83. | 91. | 111. | 111. | 111. | 72. | 18.56 | 69.94 | 1.31 |
| | 042 | G02 | 13 | 56. | 57. | 66. | 78. | 99. | 120. | 152. | 152. | 152. | 86. | 27.56 | 82.26 | 1.35 |
| 056 Decatur | 001 | F01 | 3 | 41. | 41. | 41. | 58. | 102. | 102. | 102. | 102. | 102. | | | | |
| 056 De Kalb Co | 001 | F01 | 6 | 36. | 36. | 40. | 48. | 79. | 81. | 81. | 81. | 81. | 57. | 19.36 | 53.83 | 1.40 |
| 056 Doraville | 001 | F01 | 5 | 62. | 62. | 74. | 79. | 96. | 98. | 98. | 98. | 98. | 82. | 15.21 | 80.64 | 1.21 |
| 056 Douglasville | 001 | F01 | 14 | 31. | 41. | 52. | 54. | 69. | 89. | 125. | 125. | 125. | 64. | 24.28 | 60.04 | 1.43 |
| 056 East Point | 001 | G01 | 15 | 21. | 40. | 59. | 74. | 91. | 112. | 113. | 113. | 113. | 73. | 27.24 | 67.53 | 1.58 |
| 056 Fairburn | 001 | G03 | 2 | 68. | 68. | 68. | 68. | 94. | 94. | 94. | 94. | 94. | | | | |
| 056 Hapeville | 001 | G01 | 12 | 40. | 61. | 64. | 75. | 85. | 108. | 110. | 110. | 110. | 77. | 20.14 | 74.70 | 1.32 |
| 056 Mc Donough | 001 | F01 | 10 | 26. | 26. | 42. | 49. | 58. | 61. | 63. | 63. | 63. | 50. | 11.97 | 48.57 | 1.32 |
| 056 Marietta | 001 | F01 | 13 | 38. | 43. | 47. | 62. | 74. | 84. | 84. | 84. | 84. | 61. | 15.71 | 59.40 | 1.30 |
| 056 Newnan | 001 | F01 | 50 | 30. | 39. | 55. | 63. | 81. | 114. | 129. | 133. | 133. | 71. | 27.10 | 65.85 | 1.46 |
| 056 Smyrna | 001 | F01 | 10 | 37. | 37. | 41. | 50. | 72. | 79. | 95. | 95. | 95. | 60. | 20.12 | 56.64 | 1.40 |
| 057 Athens | 001 | F01 | 14 | 20. | 35. | 39. | 46. | 59. | 75. | 76. | 76. | 76. | 51. | 16.84 | 47.99 | 1.45 |
| 058 Savannah | 002 | F01 | 21 | 45. | 55. | 86. | 100. | 141. | 210. | 222. | 482. | 482. | | | | |
| | 004 | F01 | 12 | 39. | 50. | 63. | 71. | 94. | 108. | 125. | 125. | 125. | 77. | 24.76 | 73.35 | 1.39 |
| | 005 | F01 | 10 | 25. | 25. | 38. | 46. | 47. | 63. | 71. | 71. | 71. | 46. | 14.05 | 44.40 | 1.38 |
| | 009 | F01 | 12 | 39. | 53. | 64. | 72. | 98. | 124. | 245. | 245. | 245. | 90. | 53.86 | 80.67 | 1.59 |
| | 011 | F01 | 8 | 50. | 50. | 60. | 70. | 83. | 139. | 139. | 139. | 139. | 78. | 28.51 | 74.14 | 1.39 |
| 059 Albany | 002 | F01 | 16 | 38. | 42. | 51. | 68. | 85. | 103. | 122. | 122. | 122. | 70. | 23.99 | 65.83 | 1.42 |
| 059 Cordele | 001 | F01 | 2 | 45. | 45. | 45. | 45. | 69. | 69. | 69. | 69. | 69. | | | | |
| 059 Moultrie | 001 | F01 | 15 | 41. | 45. | 52. | 58. | 75. | 81. | 91. | 91. | 91. | 63. | 15.29 | 61.33 | 1.28 |
| 059 Valdosta | 002 | F01 | 13 | 34. | 36. | 38. | 46. | 62. | 71. | 83. | 83. | 83. | 50. | 15.42 | 48.12 | 1.33 |
| **IDAHO** | | | | | | | | | | | | | | | | |
| 061 Bannock Co | 004 | F02 | 38 | 10. | 38. | 72. | 83. | 106. | 144. | 188. | 294. | 294. | 94. | 50.63 | 80.65 | 1.87 |
| | 013 | F02 | 16 | 35. | 44. | 72. | 118. | 143. | 276. | 305. | 305. | 305. | 127. | 74.84 | 108.34 | 1.83 |
| 061 Butte Co | 001 | P03 | 14 | 6. | 8. | 15. | 16. | 29. | 55. | 211. | 211. | 211. | 36. | 52.36 | 21.43 | 2.56 |
| 061 Caribou Co | 002 | F02 | 16 | 22. | 32. | 56. | 76. | 91. | 117. | 398. | 398. | 398. | 93. | 86.32 | 73.72 | 1.91 |
| | 014 | F02 | 16 | 32. | 49. | 98. | 115. | 136. | 181. | 357. | 357. | 357. | 127. | 72.12 | 111.09 | 1.71 |
| | 015 | J02 | 27 | 8. | 42. | 86. | 179. | 302. | 379. | 440. | 479. | 479. | 198. | 142.88 | 135.93 | 2.80 |
| | 016 | J02 | 9 | 26. | 26. | 181. | 211. | 463. | 503. | 503. | 503. | 503. | | | | |
| | 017 | J02 | 10 | 13. | 13. | 40. | 83. | 106. | 144. | 205. | 205. | 205. | | | | |
| | 018 | J02 | 17 | 20. | 34. | 44. | 52. | 90. | 109. | 133. | 133. | 133. | 67. | 32.66 | 59.05 | 1.68 |
| | 019 | J02 | 12 | 25. | 40. | 64. | 102. | 116. | 287. | 382. | 382. | 382. | 130. | 106.20 | 98.55 | 2.17 |
| 061 Idaho Falls | 004 | F01 | 16 | 48. | 55. | 90. | 107. | 151. | 195. | 216. | 216. | 216. | 117. | 48.59 | 107.74 | 1.55 |
| 061 Pocatello | 005 | F01 | 35 | 21. | 32. | 45. | 67. | 93. | 116. | 127. | 162. | 162. | 72. | 34.84 | 63.19 | 1.68 |
| | 006 | F02 | 40 | 33. | 43. | 68. | 96. | 137. | 210. | 260. | 534. | 534. | 125. | 89.11 | 104.16 | 1.81 |
| 061 Soda Springs | 004 | F05 | 13 | 26. | 32. | 107. | 136. | 191. | 465. | 508. | 508. | 508. | 181. | 147.96 | 133.14 | 2.36 |
| 062 Coeur DOalene | 001 | F01 | 13 | 39. | 53. | 68. | 94. | 107. | 154. | 158. | 158. | 158. | 95. | 35.84 | 88.13 | 1.50 |
| 062 Kellogg | 004 | F02 | 23 | 31. | 37. | 47. | 67. | 108. | 121. | 164. | 176. | 176. | 78. | 40.42 | 69.23 | 1.65 |
| | 006 | F02 | 25 | 28. | 36. | 73. | 79. | 117. | 159. | 166. | 169. | 169. | 91. | 43.35 | 80.67 | 1.69 |
| 062 Kootenai Co | 002 | F03 | 14 | 23. | 31. | 84. | 98. | 126. | 307. | 503. | 503. | 503. | 134. | 128.21 | 95.60 | 2.34 |
| 062 Lewiston | 004 | F01 | 15 | 55. | 59. | 75. | 113. | 120. | 139. | 572. | 572. | 572. | 130. | 125.38 | 106.45 | 1.76 |
| 062 Moscow | 002 | F01 | 16 | 43. | 44. | 57. | 83. | 125. | 206. | 389. | 389. | 389. | 109. | 86.95 | 89.47 | 1.84 |
| 062 Pocatello | 007 | F05 | 39 | 27. | 33. | 60. | 81. | 124. | 145. | 157. | 344. | 344. | 93. | 56.83 | 79.31 | 1.76 |
| | 008 | F05 | 21 | 103. | 197. | 284. | 415. | 526. | 751. | 806. | 809. | 809. | 452. | 220.96 | 392.86 | 1.79 |
| | 009 | F05 | 38 | 60. | 97. | 157. | 215. | 269. | 386. | 415. | 730. | 730. | 234. | 127.99 | 203.72 | 1.73 |
| | 010 | F05 | 19 | 40. | 63. | 77. | 96. | 108. | 136. | 375. | 375. | 375. | 106. | 68.87 | 95.24 | 1.54 |
| | 011 | F05 | 40 | 16. | 26. | 48. | 65. | 95. | 168. | 311. | 1317. | 1317. | 131. | 239.09 | 74.22 | 2.45 |
| | 012 | F05 | 37 | 25. | 48. | 82. | 106. | 153. | 200. | 234. | 262. | 262. | 121. | 58.89 | 105.07 | 1.76 |
| 062 Shoshone Co | 004 | F02 | 23 | 34. | 51. | 83. | 102. | 134. | 165. | 170. | 188. | 188. | 106. | 43.10 | 96.63 | 1.59 |
| | 016 | F05 | 25 | 13. | 23. | 47. | 54. | 70. | 124. | 129. | 142. | 142. | 62. | 33.03 | 53.22 | 1.82 |
| | 017 | F05 | 25 | 24. | 31. | 74. | 84. | 99. | 165. | 166. | 176. | 176. | 89. | 41.94 | 78.38 | 1.70 |
| | 019 | F05 | 23 | 20. | 32. | 49. | 72. | 85. | 115. | 124. | 154. | 154. | 72. | 34.46 | 63.68 | 1.71 |
| | 020 | F05 | 24 | 14. | 25. | 46. | 54. | 77. | 130. | 131. | 146. | 146. | 66. | 36.56 | 56.05 | 1.83 |
| | 021 | F05 | 25 | 25. | 31. | 54. | 87. | 130. | 181. | 216. | 239. | 239. | 99. | 60.30 | 81.86 | 1.91 |
| 063 Blaine Co | 001 | F01 | 13 | 7. | 12. | 19. | 29. | 52. | 62. | 466. | 466. | 466. | 64. | 121.93 | 32.35 | 2.77 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **IDAHO — Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 063 Grangeville | 001 | F01 | 16 | 25. | 34. | 83. | 181. | 318. | 459. | 570. | 570. | 570. | 217. | 165.40 | 150.43 | 2.66 |
| 063 Jerome Co | 001 | F03 | 11 | 36. | 52. | 100. | 208. | 244. | 286. | 1125. | 1125. | 1125. | 250. | 303.49 | 159.50 | 2.63 |
| 063 Mountain Home | 001 | F01 | 16 | 39. | 44. | 57. | 91. | 107. | 157. | 245. | 245. | 245. | 95. | 52.11 | 84.27 | 1.64 |
| 063 Twin Falls | 001 | F01 | 9 | 44. | 44. | 55. | 67. | 103. | 141. | 141. | 141. | 141. | 82. | 35.51 | 75.14 | 1.54 |
| 064 Ada Co | 001 | F03 | 13 | 18. | 22. | 30. | 49. | 82. | 125. | 326. | 326. | 326. | 76. | 81.78 | 53.72 | 2.22 |
| 064 Boise City | 001 | P01 | 14 | 28. | 31. | 43. | 56. | 72. | 96. | 222. | 222. | 222. | 69. | 49.09 | 58.87 | 1.73 |
|  | 003 | F01 | 15 | 52. | 53. | 82. | 100. | 118. | 165. | 380. | 380. | 380. | 116. | 80.73 | 99.86 | 1.68 |
| 064 Nampa | 001 | F01 | 14 | 42. | 45. | 76. | 88. | 100. | 189. | 368. | 368. | 368. | 110. | 82.92 | 92.49 | 1.76 |
| **ILLINOIS** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 065 East Peoria | 002 | F01 | 9 | 66. | 66. | 73. | 112. | 151. | 190. | 190. | 190. | 190. | 115. | 47.08 | 106.38 | 1.51 |
| 065 Galesburg | 001 | F01 | 9 | 63. | 63. | 72. | 120. | 134. | 249. | 249. | 249. | 249. | 122. | 64.30 | 108.88 | 1.64 |
| 065 Pekin | 002 | F01 | 7 | 54. | 54. | 83. | 84. | 85. | 121. | 121. | 121. | 121. | 86. | 26.08 | 83.02 | 1.36 |
| 065 Peoria | 001 | F01 | 11 | 60. | 80. | 87. | 97. | 140. | 193. | 199. | 199. | 199. | 117. | 46.79 | 109.39 | 1.47 |
|  | 023 | F01 | 11 | 65. | 71. | 98. | 128. | 165. | 178. | 226. | 226. | 226. | 131. | 51.37 | 121.45 | 1.51 |
|  | 027 | F01 | 11 | 44. | 49. | 79. | 89. | 114. | 135. | 173. | 173. | 173. | 97. | 37.97 | 90.12 | 1.51 |
|  | 028 | F01 | 10 | 25. | 25. | 90. | 97. | 112. | 147. | 205. | 205. | 205. | 108. | 46.07 | 96.71 | 1.72 |
| 066 Bloomington | 001 | F01 | 11 | 59. | 60. | 75. | 101. | 128. | 184. | 212. | 212. | 212. | 114. | 51.40 | 103.71 | 1.57 |
| 066 Champaign | 002 | F01 | 11 | 53. | 57. | 63. | 82. | 128. | 129. | 137. | 137. | 137. | 93. | 35.27 | 87.15 | 1.48 |
| 067 Addison | 001 | F01 | 9 | 45. | 45. | 47. | 85. | 107. | 112. | 112. | 112. | 112. | 79. | 27.92 | 73.78 | 1.47 |
| 067 Arlington Heights | 001 | G01 | 30 | 25. | 40. | 55. | 77. | 93. | 122. | 147. | 168. | 168. | 80. | 35.42 | 72.91 | 1.59 |
| 067 Bensenville | 001 | F01 | 11 | 72. | 74. | 115. | 171. | 207. | 213. | 267. | 267. | 267. | 163. | 64.49 | 149.74 | 1.57 |
|  | 002 | F01 | 11 | 44. | 57. | 87. | 119. | 132. | 154. | 159. | 159. | 159. | 108 | 38.69 | 100.86 | 1.52 |
| 067 Blue Island | 001 | G01 | 29 | 53. | 57. | 70. | 101. | 134. | 205. | 216. | 282. | 282. | 113. | 57.94 | 101.11 | 1.60 |
| 067 Bradley | 001 | F01 | 10 | 82. | 82. | 98. | 105. | 166. | 206. | 281. | 281. | 281. | 143. | 62.51 | 133.13 | 1.48 |
| 067 Calumet City | 001 | G01 | 28 | 43. | 54. | 83. | 95. | 121. | 200. | 200. | 264. | 264. | 113. | 53.06 | 102.44 | 1.55 |
| 067 Cary | 001 | F01 | 10 | 29. | 29. | 60. | 72. | 82. | 110. | 126. | 126. | 126. | 76. | 28.19 | 70.94 | 1.52 |
| 067 Chicago | 003 | H01 | 24 | 42. | 63. | 89. | 121. | 147. | 207. | 210. | 220. | 220. | 126. | 52.62 | 115.01 | 1.58 |
|  | 004 | H01 | 30 | 24. | 32. | 50. | 85. | 126. | 158. | 175. | 204. | 204. | 95. | 50.25 | 81.04 | 1.83 |
|  | 005 | H01 | 31 | 23. | 42. | 61. | 86. | 119. | 158. | 183. | 225. | 225. | 95. | 48.55 | 82.62 | 1.73 |
|  | 007 | H01 | 27 | 40. | 49. | 70. | 88. | 124. | 165. | 175. | 230. | 230. | 101. | 47.72 | 91.06 | 1.61 |
|  | 009 | H01 | 29 | 41. | 46. | 71. | 100. | 136. | 169. | 232. | 265. | 265. | 108. | 54.63 | 95.67 | 1.64 |
|  | 010 | H01 | 31 | 28. | 38. | 62. | 99. | 138. | 174. | 233. | 277. | 277. | 107. | 64.17 | 88.96 | 1.89 |
|  | 011 | H01 | 28 | 26. | 31. | 62. | 76. | 102. | 133. | 136. | 139. | 139. | 80. | 36.08 | 71.04 | 1.69 |
|  | 012 | H01 | 30 | 57. | 64. | 75. | 112. | 150. | 202 | 235. | 245. | 245. | 123. | 58.67 | 110.08 | 1.60 |
|  | 014 | H01 | 4 | 57. | 57. | 113. | 113. | 128. | 140. | 140. | 140. | 140. |  |  |  |  |
|  | 015 | H01 | 29 | 46. | 49. | 71. | 124. | 144. | 210. | 233. | 241. | 241. | 116. | 55.33 | 103.51 | 1.66 |
|  | 016 | H01 | 27 | 34. | 39. | 57. | 100. | 130. | 166. | 175. | 255. | 255. | 104. | 55.36 | 89.19 | 1.78 |
|  | 017 | H01 | 30 | 22. | 28. | 64. | 88. | 127. | 170. | 200. | 281. | 281. | 103. | 61.60 | 84.75 | 1.94 |
|  | 018 | H01 | 30 | 34. | 52. | 68. | 105. | 174. | 232 | 285. | 292. | 292. | 133. | 75.32 | 112.47 | 1.84 |
|  | 020 | H01 | 29 | 11. | 23. | 36. | 68. | 100. | 118. | 121. | 146. | 146. | 67. | 38.17 | 55.34 | 1.96 |
|  | 021 | H01 | 29 | 43. | 66. | 104. | 117. | 160. | 250 | 280. | 287. | 287. | 138. | 65.06 | 124.18 | 1.62 |
|  | 022 | H01 | 30 | 49. | 83. | 153. | 171. | 229. | 412 | 515. | 617. | 617. | 220. | 133.31 | 186.74 | 1.79 |
|  | 025 | H01 | 28 | 20. | 26. | 47. | 74. | 135. | 215. | 261. | 309. | 309. | 100. | 76.29 | 75.36 | 2.21 |
|  | 028 | H01 | 15 | 35. | 43. | 62. | 91. | 119. | 131. | 134. | 134. | 134. | 88. | 35.62 | 80.05 | 1.58 |
|  | 029 | H01 | 29 | 22. | 25. | 46. | 69. | 119. | 140. | 154. | 176. | 176. | 80. | 45.00 | 67.15 | 1.87 |
|  | 030 | H01 | 30 | 38. | 46. | 78. | 111. | 186. | 205. | 248 | 313. | 313. | 133. | 72.05 | 113.83 | 1.81 |
|  | 031 | H01 | 30 | 29. | 62. | 87. | 135. | 158. | 269. | 304. | 351. | 351. | 148. | 80.55 | 127.76 | 1.76 |
|  | 032 | H01 | 26 | 24. | 35. | 65. | 99. | 152. | 249. | 319. | 405. | 405. | 128. | 93.45 | 99.53 | 2.11 |
|  | 033 | F01 | 11 | 54. | 64. | 98. | 142. | 164. | 168. | 177. | 177. | 177. | 127. | 43.57 | 118.59 | 1.51 |
|  | 034 | H01 | 19 | 13. | 20. | 30. | 61. | 128. | 148 | 152. | 152. | 152. | 75. | 50.21 | 57.62 | 2.24 |
|  | 036 | H01 | 30 | 42. | 44. | 61. | 90. | 132. | 159. | 170. | 173. | 173. | 100. | 44.69 | 89.98 | 1.62 |
|  | 037 | H01 | 29 | 29. | 33. | 52. | 79. | 101. | 141 | 167. | 208. | 208 | 83. | 43.27 | 73.06 | 1.67 |
| 067 Chicago Heights | 001 | G01 | 25 | 36. | 45. | 71. | 88. | 116. | 175 | 178. | 191 | 191. | 97. | 43.87 | 87.79 | 1.60 |
|  | 003 | F01 | 8 | 14. | 14. | 87. | 117. | 216. | 243. | 243. | 243. | 243. | 146. | 84.36 | 111.50 | 2.58 |
| 067 Cicero | 001 | G01 | 27 | 43. | 46. | 73. | 102. | 124. | 155 | 172. | 210. | 210. | 102. | 42.58 | 93.12 | 1.56 |
| 067 Cook Co | 003 | F01 | 11 | 51. | 58. | 69. | 99. | 122. | 127. | 254. | 254. | 254. | 107. | 56.56 | 96.82 | 1.59 |
|  | 004 | F01 | 11 | 49. | 54. | 72. | 92. | 100. | 126. | 133. | 133. | 133. | 89. | 26.95 | 85.48 | 1.38 |
|  | 016 | H01 | 15 | 49. | 78. | 118. | 139. | 158. | 187. | 209. | 209. | 209. | 135. | 43.19 | 127.01 | 1.46 |
|  | 017 | H01 | 12 | 54. | 76. | 119. | 130. | 187. | 217. | 219. | 219. | 219. | 144. | 54.54 | 133.59 | 1.54 |
| 067 Crete | 001 | G01 | 11 | 44. | 44. | 58. | 66. | 94. | 133. | 175. | 175. | 175. | 83. | 41.44 | 74.60 | 1.58 |
| 067 Crystal Lake | 002 | F01 | 8 | 32. | 32. | 42. | 64. | 98. | 108. | 108. | 108. | 108. | 70. | 30.75 | 62.93 | 1.64 |
| 067 Des Plaines | 001 | G01 | 28 | 25. | 27. | 54. | 71. | 88. | 114. | 134. | 141. | 141. | 72. | 30.83 | 64.94 | 1.62 |
| 067 Elgin | 001 | F01 | 10 | 36. | 36. | 43. | 81. | 84. | 117. | 139. | 139. | 139. | 82. | 35.01 | 74.67 | 1.61 |
| 067 Elmhurst | 001 | F01 | 9 | 74. | 74. | 86. | 88. | 130. | 235. | 235. | 235. | 235. | 118. | 51.94 | 110.01 | 1.46 |
| 067 Evanston | 001 | F01 | 9 | 19. | 19. | 33. | 57. | 73. | 113. | 113. | 113. | 113. | 57. | 31.03 | 49.24 | 1.83 |
| 067 Flossmoor | 001 | G01 | 26 | 28. | 35. | 56. | 65. | 102. | 138. | 144. | 174. | 174. | 80. | 37.14 | 71.95 | 1.59 |
| 067 Franklin Park | 001 | G01 | 29 | 30. | 34. | 55. | 74. | 110. | 138. | 156. | 179. | 179. | 83. | 40.64 | 73.51 | 1.68 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **ILLINOIS — Cont.** | | | | | | | | | | | | | | | | |
| 067 Glenview | 001 | F01 | 9 | 44. | 44. | 66. | 96. | 114. | 125. | 125. | 125. | 125. | 90. | 30.33 | 85.06 | 1.48 |
| 067 Harvey | 001 | G01 | 29 | 43. | 45. | 62. | 82. | 155. | 215. | 221. | 229. | 229. | 112. | 61.20 | 96.34 | 1.74 |
| 067 Hillside | 001 | G01 | 29 | 34. | 40. | 52. | 85. | 109. | 126. | 138. | 166. | 166. | 84. | 35.70 | 75.95 | 1.57 |
| 067 Joliet | 001 | G01 | 7 | 49. | 49. | 107. | 128. | 128. | 368. | 368. | 368. | 368. | 143. | 103.77 | 120.46 | 1.84 |
| | 002 | G01 | 10 | 52. | 52. | 58. | 97. | 104. | 146. | 146. | 146. | 146. | 96. | 35.15 | 89.77 | 1.48 |
| | 003 | G01 | 6 | 61. | 61. | 75. | 116. | 139. | 163. | 163. | 163. | 163. | | | | |
| | 004 | G01 | 2 | 53. | 53. | 53. | 53. | 71. | 71. | 71. | 71. | 71. | | | | |
| | 005 | F01 | 9 | 66. | 66. | 103. | 136. | 163. | 200. | 200. | 200. | 200. | 136. | 41.58 | 129.33 | 1.41 |
| | 006 | G01 | 10 | 32. | 32. | 36. | 44. | 70. | 79. | 87. | 87. | 87. | 54. | 21.30 | 50.47 | 1.48 |
| | 007 | G01 | 10 | 75. | 75. | 113. | 127. | 135. | 161. | 165. | 165. | 165. | 128. | 29.78 | 124.42 | 1.29 |
| 067 Lake Co | 001 | F01 | 9 | 51. | 51. | 71. | 89. | 99. | 155. | 155. | 155. | 155. | 88. | 30.92 | 83.29 | 1.40 |
| 067 Lake Bluff | 001 | F01 | 8 | 28. | 28. | 44. | 60. | 75. | 124. | 124. | 124. | 124. | 65. | 31.86 | 57.78 | 1.68 |
| 067 Lockport | 002 | G01 | 11 | 54. | 65. | 80. | 106. | 146. | 157. | 164. | 164. | 164. | 110. | 39.51 | 103.02 | 1.47 |
| 067 Midlothian | 001 | G01 | 30 | 32. | 36. | 47. | 57. | 89. | 142. | 154. | 158. | 158. | 75. | 37.64 | 67.41 | 1.61 |
| 067 Morton Grove | 001 | G01 | 28 | 21. | 31. | 46. | 70. | 104. | 123. | 145. | 151. | 151. | 76. | 36.11 | 66.54 | 1.72 |
| 067 Naperville | 001 | F01 | 9 | 51. | 51. | 55. | 99. | 125. | 165. | 165. | 165. | 165. | 97. | 41.87 | 89.21 | 1.57 |
| 067 Niles | 001 | G01 | 28 | 28. | 31. | 52. | 59. | 91. | 127. | 140. | 201. | 201. | 77. | 39.88 | 68.18 | 1.67 |
| 067 North Chicago | 002 | F01 | 3 | 82. | 82. | 82. | 140. | 145. | 145. | 145. | 145. | 145. | | | | |
| 067 Oak Park | 002 | G01 | 30 | 27. | 29. | 52. | 64. | 86. | 107. | 111. | 137. | 137. | 70. | 30.49 | 63.49 | 1.61 |
| 067 Orland Park | 001 | G01 | 29 | 36. | 49. | 57. | 78. | 106. | 135. | 142. | 177. | 177. | 84. | 35.55 | 76.91 | 1.52 |
| 067 Palatine | 001 | G01 | 30 | 33. | 37. | 52. | 68. | 87. | 131. | 156. | 168. | 168. | 78. | 36.59 | 69.95 | 1.59 |
| 067 Park Forest | 001 | G01 | 27 | 33. | 42. | 54. | 71. | 83. | 114. | 127. | 134. | 134. | 75. | 28.07 | 69.57 | 1.47 |
| 067 Plainfield | 001 | G01 | 8 | 56. | 56. | 85. | 116. | 156. | 165. | 165. | 165. | 165. | 118. | 43.13 | 110.40 | 1.51 |
| 067 Plano | 001 | F01 | 2 | 85. | 85. | 85. | 85. | 135. | 135. | 135. | 135. | 135. | | | | |
| 067 River Forest | 001 | G01 | 30 | 30. | 35. | 51. | 67. | 103. | 126. | 134. | 173. | 173. | 79. | 36.82 | 70.81 | 1.63 |
| 067 Romeoville | 002 | G01 | 10 | 44. | 44. | 61. | 83. | 110. | 135. | 146. | 146. | 146. | 92. | 35.38 | 85.33 | 1.50 |
| 067 Skokie | 006 | F01 | 11 | 17. | 20. | 61. | 76. | 86. | 125. | 208. | 208. | 208. | 82. | 53.05 | 66.07 | 2.09 |
| | 007 | F01 | 11 | 22. | 24. | 50. | 82. | 106. | 113. | 140. | 140. | 140. | 75. | 40.42 | 62.82 | 1.96 |
| 067 Summit | 001 | G01 | 30 | 49. | 54. | 72. | 99. | 146. | 167. | 186. | 196. | 196. | 111. | 45.36 | 102.16 | 1.54 |
| 067 Waukegan | 001 | F01 | 11 | 39. | 54. | 70. | 92. | 139. | 149. | 159. | 159. | 159. | 102. | 42.99 | 92.68 | 1.61 |
| | 002 | F01 | 9 | 26. | 26. | 65. | 83. | 105. | 127. | 127. | 127. | 127. | 81. | 35.54 | 72.59 | 1.72 |
| | 003 | F01 | 10 | 24. | 24. | 55. | 75. | 97. | 117. | 143. | 143. | 143. | 81. | 36.38 | 72.18 | 1.70 |
| 067 West Chicago | 001 | F01 | 11 | 39. | 40. | 56. | 76. | 109. | 119. | 127. | 127. | 127. | 81. | 32.42 | 75.06 | 1.54 |
| | 002 | F01 | 6 | 59. | 59. | 76. | 117. | 131. | 179. | 179. | 179. | 179. | | | | |
| 067 Wheaton | 002 | F01 | 11 | 44. | 51. | 82. | 96. | 108. | 130. | 145. | 145. | 145. | 94. | 32.30 | 88.85 | 1.46 |
| 067 Will Co | 004 | G01 | 11 | 59. | 77. | 89. | 120. | 150. | 158. | 262. | 262. | 262. | 128. | 56.75 | 117.61 | 1.53 |
| | 005 | G01 | 10 | 45. | 45. | 62. | 78. | 100. | 140. | 188. | 188. | 188. | 95. | 45.98 | 86.16 | 1.60 |
| | 006 | G01 | 11 | 48. | 54. | 63. | 74. | 122. | 162. | 177. | 177. | 177. | 96. | 45.80 | 87.19 | 1.58 |
| 067 Wilmette | 001 | G01 | 28 | 13. | 22. | 39. | 55. | 89. | 103. | 124. | 142. | 142. | 62. | 34.11 | 52.59 | 1.88 |
| 067 Winnetka | 001 | F01 | 10 | 18. | 18. | 44. | 58. | 66. | 84. | 111. | 111. | 111. | 59. | 27.70 | 52.42 | 1.76 |
| 068 Galena | 002 | F01 | 11 | 62. | 64. | 77. | 79. | 118. | 153. | 180. | 180. | 180. | 101. | 38.30 | 95.10 | 1.42 |
| 069 East Moline | 001 | F01 | 11 | 76. | 80. | 91. | 122. | 149. | 178. | 249. | 249. | 249. | 132. | 51.69 | 123.49 | 1.45 |
| 069 Milan | 001 | F01 | 11 | 85. | 86. | 120. | 121. | 139. | 165. | 300. | 300. | 300. | 138. | 58.78 | 130.24 | 1.41 |
| 069 Moline | 001 | F01 | 11 | 46. | 49. | 61. | 69. | 97. | 191. | 330. | 330. | 330. | 105. | 85.25 | 85.64 | 1.84 |
| | 002 | F01 | 11 | 55. | 57. | 58. | 65. | 108. | 126. | 131. | 131. | 131. | 84. | 30.43 | 79.21 | 1.43 |
| 069 Rock Falls | 001 | F01 | 10 | 60. | 60. | 66. | 75. | 111. | 136. | 140. | 140. | 140. | 95. | 33.03 | 90.17 | 1.42 |
| 069 Rock Island | 001 | F01 | 3 | 58. | 58. | 58. | 123. | 168. | 168. | 168. | 168. | 168. | | | | |
| | 003 | F01 | 8 | 64. | 64. | 91. | 92. | 110. | 200. | 200. | 200. | 200. | 107. | 41.62 | 100.80 | 1.41 |
| 070 Alton | 004 | F01 | 8 | 56. | 56. | 83. | 91. | 119. | 193. | 193. | 193. | 193. | 115. | 50.10 | 105.96 | 1.53 |
| 070 Belleville | 001 | F01 | 3 | 54. | 54. | 54. | 106. | 134. | 134. | 134. | 134. | 134. | | | | |
| 070 Collinsville | 002 | F01 | 9 | 65. | 65. | 71. | 90. | 117. | 165. | 165. | 165. | 165. | 102. | 37.04 | 96.97 | 1.41 |
| 070 Columbia | 001 | F01 | 7 | 38. | 38. | 70. | 73. | 99. | 114. | 114. | 114. | 114. | 80. | 28.32 | 75.50 | 1.48 |
| 070 East St Louis | 002 | F01 | 9 | 66. | 66. | 73. | 95. | 147. | 361. | 361. | 361. | 361. | 131. | 93.02 | 111.75 | 1.73 |
| | 009 | F01 | 8 | 48. | 48. | 90. | 107. | 147. | 221. | 221. | 221. | 221. | 123. | 53.13 | 112.05 | 1.60 |
| 070 Edwardsville | 002 | F01 | 9 | 49. | 49. | 69. | 77. | 90. | 131. | 131. | 131. | 131. | 82. | 23.95 | 79.57 | 1.32 |
| 070 Granite City | 006 | F01 | 11 | 80. | 83. | 114. | 136. | 153. | 193. | 215. | 215. | 215. | 136. | 42.72 | 129.94 | 1.38 |
| | 007 | F01 | 9 | 55. | 55. | 96. | 131. | 148. | 237. | 237. | 237. | 237. | 136. | 64.77 | 121.86 | 1.68 |
| | 008 | F01 | 7 | 49. | 49. | 72. | 80. | 166. | 479. | 479. | 479. | 479. | 173. | 161.58 | 123.04 | 2.38 |
| | 009 | F01 | 10 | 72. | 72. | 118. | 172. | 216. | 272. | 328. | 328. | 328. | 187. | 81.36 | 169.99 | 1.60 |
| | 010 | F01 | 8 | 87. | 87. | 104. | 135. | 222. | 256. | 256. | 256. | 256. | 163. | 67.47 | 150.73 | 1.54 |
| | 011 | F01 | 10 | 61. | 61. | 111. | 139. | 153. | 199. | 239. | 239. | 239. | 144. | 55.83 | 132.54 | 1.55 |
| | 014 | F02 | 8 | 48. | 48. | 95. | 149. | 172. | 278. | 278. | 278. | 278. | 154. | 78.11 | 134.74 | 1.78 |
| 070 Mount Vernon | 002 | F01 | 11 | 46. | 48. | 52. | 57. | 100. | 121. | 163. | 163. | 163. | 80. | 38.16 | 73.07 | 1.55 |
| 070 Wood River | 007 | F01 | 9 | 77. | 77. | 96. | 115. | 141. | 233. | 233. | 233. | 233. | 126. | 49.54 | 118.72 | 1.43 |
| 071 Bureau Co | 001 | F01 | 7 | 46. | 46. | 96. | 99. | 102. | 267. | 267. | 267. | 267. | | | | |
| 071 Oglesby | 001 | F01 | 11 | 36. | 108. | 130. | 148. | 168. | 203. | 243. | 243. | 243. | | | | |
| 071 Ottawa | 002 | F01 | 11 | 48. | 53. | 61. | 71. | 103. | 137. | 169. | 169. | 169. | 87. | 38.29 | 80.48 | 1.50 |
| 071 Putnam Co | 005 | F01 | 9 | 75. | 75. | 90. | 104. | 114. | 194. | 194. | 194. | 194. | 108. | 35.59 | 103.75 | 1.33 |
| 072 Metropolis | 007 | F01 | 1 | 48. | 48. | 48. | 48. | 48. | 48. | 48. | 48. | 48. | | | | |

# PARTICULATE, micrograms per cubic meter (25 C)
# HI-VOL GRAVIMETRIC, 24 hours

## 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **ILLINOIS — Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 073 Decatur | 008 | F01 | 11 | 63. | 73. | 100. | 131. | 180. | 208. | 262. | 262. | 262. | 141. | 63.87 | 127.77 | 1.60 |
| 073 De Kalb | 001 | F01 | 7 | 46. | 46. | 68. | 69. | 70. | 435. | 435. | 435. | 435. | 121. | 139.13 | 87.75 | 2.08 |
| 073 Rockford | 001 | F01 | 8 | 55. | 55. | 77. | 77. | 103. | 143. | 143. | 143. | 143. | 93. | 30.14 | 88.78 | 1.38 |
|  | 008 | F01 | 9 | 38. | 38. | 45. | 70. | 90. | 187. | 187. | 187. | 187. | 84. | 51.05 | 73.19 | 1.72 |
| 074 Effingham | 001 | F01 | 6 | 49. | 49. | 58. | 117. | 138. | 158. | 158. | 158. | 158. |  |  |  |  |
| 074 Marion | 001 | F01 | 10 | 56. | 56. | 60. | 64. | 80. | 132. | 136. | 136. | 136. | 84. | 31.53 | 79.07 | 1.42 |
| 075 Decatur | 002 | F01 | 11 | 73. | 89. | 103. | 162. | 191. | 198. | 238. | 238. | 238. | 150. | 53.47 | 141.14 | 1.47 |
|  | 004 | F01 | 11 | 67. | 73. | 81. | 125. | 140. | 179. | 191. | 191. | 191. | 121. | 47.10 | 112.48 | 1.49 |
| 075 Petersburg | 001 | F01 | 11 | 42. | 56. | 71. | 93. | 101. | 128. | 152. | 152. | 152. | 91. | 31.90 | 86.20 | 1.45 |
| 075 Quincy | 002 | F01 | 9 | 51. | 51. | 58. | 67. | 78. | 133. | 133. | 133. | 133. | 74. | 26.06 | 71.00 | 1.36 |
|  | 003 | F01 | 10 | 64. | 64. | 76. | 89. | 127. | 148. | 228. | 228. | 228. | 115. | 50.58 | 106.32 | 1.51 |
| 075 Springfield | 003 | F01 | 9 | 51. | 51. | 83. | 90. | 144. | 206. | 206. | 206. | 206. | 109. | 48.33 | 100.85 | 1.53 |
| **INDIANA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 067 Crown Point | 001 | F01 | 4 | 43. | 43. | 65. | 65. | 70. | 100. | 100. | 100. | 100. |  |  |  |  |
| 067 East Chicago | 001 | H02 | 5 | 69. | 69. | 134. | 148. | 149. | 172. | 172. | 172. | 172. |  |  |  |  |
|  | 003 | H02 | 5 | 48. | 48. | 112. | 117. | 193. | 206. | 206. | 206. | 206. |  |  |  |  |
|  | 004 | H02 | 5 | 144. | 144. | 160. | 225. | 275. | 301. | 301. | 301. | 301. |  |  |  |  |
|  | 006 | H02 | 5 | 93. | 93. | 105. | 139. | 153. | 214. | 214. | 214. | 214. |  |  |  |  |
|  | 007 | H02 | 5 | 50. | 50. | 102. | 109. | 119. | 135. | 135. | 135. | 135. |  |  |  |  |
| 067 Gary | 001 | H01 | 6 | 69. | 69. | 76. | 167. | 209. | 216. | 216. | 216. | 216. |  |  |  |  |
|  | 002 | H01 | 6 | 79. | 79. | 79. | 170. | 190. | 322. | 322. | 322. | 322. |  |  |  |  |
|  | 003 | H01 | 6 | 88. | 88. | 109. | 174. | 223. | 240. | 240. | 240. | 240. |  |  |  |  |
|  | 005 | H01 | 3 | 35. | 35. | 35. | 99. | 240. | 240. | 240. | 240. | 240. |  |  |  |  |
|  | 008 | H01 | 6 | 75. | 75. | 101. | 135. | 175. | 218. | 218. | 218. | 218. |  |  |  |  |
|  | 011 | H01 | 6 | 62. | 62. | 76. | 178. | 191. | 266. | 266. | 266. | 266. |  |  |  |  |
|  | 014 | H01 | 6 | 87. | 87. | 158. | 187. | 259. | 298. | 298. | 298. | 298. |  |  |  |  |
|  | 016 | F01 | 4 | 92. | 92. | 92. | 92. | 94. | 143. | 143. | 143. | 143. |  |  |  |  |
|  | 016 | H01 | 5 | 112. | 112. | 164. | 187. | 218. | 242. | 242. | 242. | 242. |  |  |  |  |
|  | 018 | F01 | 5 | 76. | 76. | 89. | 100. | 126. | 149. | 149. | 149. | 149. |  |  |  |  |
| 067 Hammond | 001 | H01 | 5 | 71. | 71. | 74. | 79. | 93. | 202. | 202. | 202. | 202. |  |  |  |  |
|  | 002 | H01 | 5 | 58. | 58. | 82. | 95. | 104. | 113. | 113. | 113. | 113. |  |  |  |  |
|  | 004 | H01 | 5 | 62. | 62. | 70. | 85. | 91. | 136. | 136. | 136. | 136. |  |  |  |  |
|  | 005 | H01 | 3 | 76. | 76. | 76. | 82. | 136. | 136. | 136. | 136. | 136. |  |  |  |  |
|  | 006 | H01 | 5 | 82. | 82. | 89. | 91. | 96. | 130. | 130. | 130. | 130. |  |  |  |  |
|  | 007 | H01 | 5 | 50. | 50. | 62. | 78. | 82. | 99. | 99. | 99. | 99. |  |  |  |  |
|  | 008 | F01 | 5 | 43. | 43. | 65. | 74. | 100. | 103. | 103. | 103. | 103. |  |  |  |  |
| 067 Whiting | 003 | F01 | 5 | 46. | 46. | 106. | 106. | 140. | 192. | 192. | 192. | 192. |  |  |  |  |
| 076 Anderson | 002 | H01 | 11 | 47. | 52. | 62. | 77. | 82. | 133. | 134. | 134. | 134. | 82. | 30.52 | 77.46 | 1.43 |
|  | 003 | H01 | 11 | 35. | 58. | 70. | 77. | 86. | 128. | 132. | 132. | 132. | 84. | 30.69 | 78.26 | 1.48 |
|  | 006 | F01 | 5 | 23. | 23. | 42. | 57. | 60. | 98. | 98. | 98. | 98. |  |  |  |  |
|  | 007 | H01 | 11 | 42. | 48. | 61. | 73. | 79. | 116. | 123. | 123. | 123. | 78. | 27.74 | 73.37 | 1.43 |
| 076 Marion | 001 | F01 | 5 | 28. | 28. | 48. | 68. | 106. | 126. | 126. | 126. | 126. |  |  |  |  |
| 076 Richmond | 001 | F01 | 5 | 43. | 43. | 83. | 99. | 111. | 194. | 194. | 194. | 194. |  |  |  |  |
|  | 002 | F01 | 4 | 48. | 48. | 98. | 98. | 120. | 170. | 170. | 170. | 170. |  |  |  |  |
| 077 Evansville | 006 | F01 | 3 | 71. | 71. | 71. | 73. | 99. | 99. | 99. | 99. | 99. |  |  |  |  |
| 077 Jasper | 001 | F01 | 4 | 53. | 53. | 85. | 85. | 89. | 147. | 147. | 147. | 147. |  |  |  |  |
| 078 Jeffersonville | 001 | F01 | 5 | 85. | 85. | 94. | 97. | 110. | 213. | 213. | 213. | 213. |  |  |  |  |
| 080 Indianapolis | 002 | H01 | 17 | 41. | 50. | 70. | 88. | 114. | 149. | 162. | 162. | 162. |  |  |  |  |
|  | 003 | H01 | 5 | 71. | 71. | 91. | 97. | 120. | 160. | 160. | 160. | 160. |  |  |  |  |
|  | 006 | H01 | 18 | 41. | 51. | 78. | 103. | 128. | 158. | 166. | 166. | 166. |  |  |  |  |
|  | 008 | H01 | 5 | 40. | 40. | 75. | 80. | 101. | 124. | 124. | 124. | 124. |  |  |  |  |
|  | 009 | H01 | 5 | 51. | 51. | 79. | 114. | 126. | 141. | 141. | 141. | 141. |  |  |  |  |
|  | 011 | H01 | 5 | 47. | 47. | 95. | 101. | 117. | 180. | 180. | 180. | 180. |  |  |  |  |
|  | 013 | H01 | 5 | 65. | 65. | 67. | 89. | 97. | 117. | 117. | 117. | 117. |  |  |  |  |
|  | 014 | H01 | 5 | 32. | 32. | 73. | 76. | 114. | 121. | 121. | 121. | 121. |  |  |  |  |
|  | 015 | H01 | 5 | 42. | 42. | 87. | 107. | 125. | 154. | 154. | 154. | 154. |  |  |  |  |
|  | 021 | F01 | 4 | 31. | 31. | 87. | 87. | 104. | 116. | 116. | 116. | 116. |  |  |  |  |
|  | 023 | H01 | 4 | 27. | 27. | 69. | 69. | 76. | 103. | 103. | 103. | 103. |  |  |  |  |
|  | 024 | H01 | 18 | 16. | 25. | 51. | 76. | 93. | 114. | 130. | 130. | 130. |  |  |  |  |
|  | 025 | H01 | 18 | 39. | 46. | 76. | 138. | 155. | 189. | 221. | 221. | 221. |  |  |  |  |
|  | 026 | H01 | 4 | 56. | 56. | 71. | 71. | 80. | 112. | 112. | 112. | 112. |  |  |  |  |
|  | 033 | H01 | 5 | 58. | 58. | 65. | 70. | 87. | 94. | 94. | 94. | 94. |  |  |  |  |
| 081 Fort Wayne | 003 | F01 | 5 | 47. | 47. | 83. | 102. | 102. | 124. | 124. | 124. | 124. |  |  |  |  |
| 081 Steuben Co | 001 | F03 | 5 | 9. | 9. | 41. | 49. | 59. | 81. | 81. | 81. | 81. |  |  |  |  |
| 082 Elkhart | 001 | F01 | 4 | 21. | 21. | 58. | 58. | 96. | 96. | 96. | 96. | 96. |  |  |  |  |
| 082 La Porte | 001 | F01 | 2 | 65. | 65. | 65. | 65. | 78. | 78. | 78. | 78. | 78. |  |  |  |  |
| 082 Michigan City | 001 | H01 | 2 | 32. | 32. | 32. | 32. | 98. | 98. | 98. | 98. | 98. |  |  |  |  |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **INDIANA — Cont.** | | | | | | | | | | | | | | | | |
| 082 Mishawaka | 002 | G02 | 4 | 61. | 61. | 70. | 70. | 90. | 137. | 137. | 137. | 137. | | | | |
| | 004 | G01 | 5 | 43. | 43. | 63. | 82. | 105. | 110. | 110. | 110. | 110. | | | | |
| 082 St Joseph Co | 005 | G03 | 5 | 13. | 13. | 49. | 49. | 76. | 92. | 92. | 92. | 92. | | | | |
| 082 South Bend | 003 | G01 | 5 | 15. | 15. | 56. | 66. | 114. | 120. | 120. | 120. | 120. | | | | |
| | 004 | G02 | 5 | 14. | 14. | 54. | 62. | 88. | 150. | 150. | 150. | 150. | | | | |
| | 005 | G02 | 5 | 17. | 17. | 53. | 54. | 71. | 95. | 95. | 95. | 95. | | | | |
| | 006 | G02 | 5 | 25. | 25. | 73. | 88. | 143. | 162. | 162. | 162. | 162. | | | | |
| | 007 | G02 | 5 | 60. | 60. | 81. | 89. | 110. | 119. | 119. | 119. | 119. | | | | |
| | 008 | F01 | 5 | 23. | 23. | 59. | 70. | 93. | 97. | 97. | 97. | 97. | | | | |
| 083 Bloomington | 001 | F01 | 5 | 45. | 45. | 47. | 68. | 74. | 112. | 112. | 112. | 112. | | | | |
| 083 Madison | 003 | F01 | 5 | 41. | 41. | 52. | 66. | 68. | 87. | 87. | 87. | 87. | | | | |
| 084 Jasper Co | 001 | F03 | 4 | 38. | 38. | 47. | 47. | 80. | 120. | 120. | 120. | 120. | | | | |
| 084 Kokomo | 002 | F01 | 5 | 23. | 23. | 46. | 68. | 86. | 177. | 177. | 177. | 177. | | | | |
| 084 Lafayette | 001 | F01 | 5 | 44. | 44. | 66. | 85. | 109. | 144. | 144. | 144. | 144. | | | | |
| 084 Terre Haute | 009 | G01 | 40 | 45. | 53. | 79. | 97. | 127. | 183. | 187. | 198. | 198. | 110. | 46.28 | 100.25 | 1.54 |
| | 010 | G01 | 11 | 59. | 60. | 70. | 117. | 138. | 143. | 160. | 160. | 160. | 104. | 39.70 | 97.22 | 1.50 |
| | 012 | G01 | 10 | 75. | 75. | 86. | 92. | 133. | 166. | 174. | 174. | 174. | 114. | 36.41 | 108.83 | 1.36 |
| 084 Vigo Co | 002 | G01 | 5 | 62. | 62. | 65. | 85. | 90. | 114. | 114. | 114. | 114. | | | | |
| | 004 | G01 | 11 | 69. | 77. | 82. | 103. | 119. | 169. | 174. | 174. | 174. | 111. | 37.62 | 105.23 | 1.39 |
| 084 Vincennes | 001 | F01 | 5 | 47. | 47. | 67. | 77. | 96. | 123. | 123. | 123. | 123. | | | | |
| **IOWA** | | | | | | | | | | | | | | | | |
| 065 Keokuk | 002 | F01 | 11 | 38. | 87. | 110. | 148. | 162. | 256. | 271. | 271. | 271. | 149. | 68.75 | 132.51 | 1.72 |
| | 003 | F01 | 12 | 42. | 43. | 58. | 68. | 85. | 105. | 113. | 113. | 113. | 73. | 24.05 | 69.66 | 1.40 |
| | 004 | F01 | 10 | 58. | 58. | 86. | 88. | 109. | 150. | 155. | 155. | 155. | 102. | 32.45 | 97.20 | 1.38 |
| 068 Dubuque | 002 | P01 | 6 | 19. | 19. | 30. | 50. | 85. | 100. | 100. | 100. | 100. | 56. | 31.22 | 48.24 | 1.87 |
| | 008 | F02 | 9 | 29. | 29. | 40. | 48. | 88. | 112. | 112. | 112. | 112. | 61. | 30.70 | 54.37 | 1.65 |
| | 008 | P05 | 8 | 34. | 34. | 35. | 41. | 65. | 140. | 140. | 140. | 140. | 62. | 36.57 | 54.43 | 1.67 |
| | 011 | F01 | 16 | 35. | 38. | 50. | 73. | 104. | 120. | 131. | 131. | 131. | 78. | 32.48 | 70.97 | 1.56 |
| 069 Clinton | 012 | F01 | 4 | 84. | 84. | 128. | 128. | 140. | 163. | 163. | 163. | 163. | | | | |
| | 013 | F01 | 7 | 42. | 42. | 65. | 72. | 84. | 151. | 151. | 151. | 151. | 81. | 34.40 | 75.33 | 1.48 |
| | 014 | F01 | 16 | 29. | 29. | 41. | 51. | 85. | 117. | 142. | 142. | 142. | 68. | 35.02 | 60.57 | 1.67 |
| 069 Davenport | 001 | P01 | 14 | 60. | 61. | 66. | 85. | 114. | 220. | 340. | 340. | 340. | 117. | 79.32 | 99.75 | 1.71 |
| | 009 | F01 | 16 | 50. | 55. | 67. | 72. | 96. | 139. | 224. | 224. | 224. | 91. | 44.25 | 83.61 | 1.48 |
| | 010 | F01 | 16 | 56. | 61. | 84. | 92. | 119. | 140. | 253. | 253. | 253. | 106. | 46.81 | 98.36 | 1.45 |
| | 011 | F01 | 16 | 64. | 95. | 122. | 146. | 279. | 669. | 710. | 710. | 710. | 261. | 211.29 | 199.31 | 2.09 |
| 069 Muscatine | 011 | F01 | 16 | 37. | 50. | 71. | 78. | 113. | 165. | 201. | 201. | 201. | 92. | 43.13 | 83.96 | 1.54 |
| 069 Scott Co | 009 | F01 | 16 | 52. | 62. | 79. | 85. | 114. | 146. | 313. | 313. | 313. | 105. | 61.12 | 95.37 | 1.52 |
| 085 Council Bluffs | 016 | F01 | 13 | 60. | 65. | 69. | 77. | 101. | 130. | 163. | 163. | 163. | 91. | 29.79 | 87.30 | 1.35 |
| | 017 | F01 | 5 | 25. | 25. | 53. | 66. | 144. | 228. | 228. | 228. | 228. | | | | |
| | 018 | F01 | 14 | 38. | 65. | 83. | 107. | 131. | 189. | 234. | 234. | 234. | 117. | 53.83 | 105.83 | 1.62 |
| 086 Sioux City | 014 | F01 | 16 | 49. | 62. | 73. | 92. | 110. | 143. | 169. | 169. | 169. | 96. | 31.00 | 91.47 | 1.38 |
| | 015 | F01 | 16 | 51. | 58. | 82. | 105. | 132. | 154. | 180. | 180. | 180. | 108. | 35.30 | 102.73 | 1.41 |
| 086 Woodbury Co | 005 | F01 | 16 | 29. | 32. | 59. | 65. | 95. | 100. | 110. | 110. | 110. | 71. | 25.95 | 66.07 | 1.52 |
| 087 Rock Rapids | 002 | F01 | 16 | 38. | 41. | 52. | 66. | 96. | 152. | 158. | 158. | 158. | 81. | 41.17 | 72.74 | 1.61 |
| 088 Cedar Rapids | 013 | G01 | 15 | 45. | 49. | 66. | 79. | 111. | 133. | 136. | 136. | 136. | 86. | 30.57 | 80.43 | 1.45 |
| | 018 | G02 | 18 | 40. | 52. | 112. | 129. | 148. | 168. | 265. | 265. | 265. | 125. | 52.78 | 113.41 | 1.61 |
| | 018 | P01 | 11 | 41. | 51. | 103. | 128. | 140. | 150. | 160. | 160. | 160. | 114. | 39.51 | 105.79 | 1.57 |
| | 019 | G02 | 15 | 49. | 55. | 89. | 104. | 127. | 168. | 175. | 175. | 175. | 109. | 39.82 | 101.46 | 1.48 |
| | 020 | G02 | 14 | 122. | 126. | 139. | 154. | 182. | 242. | 361. | 361. | 361. | 173. | 63.20 | 165.66 | 1.34 |
| | 024 | G02 | 15 | 39. | 51. | 80. | 92. | 116. | 169. | 230. | 230. | 230. | 107. | 52.07 | 96.24 | 1.62 |
| 088 Jones Co | 006 | F01 | 15 | 33. | 54. | 74. | 139. | 164. | 250. | 733. | 733. | 733. | 162. | 168.53 | 120.64 | 2.10 |
| 088 Linn Co | 014 | G01 | 2 | 75. | 75. | 75. | 75. | 134. | 134. | 134. | 134. | 134. | | | | |
| 088 Waterloo | 004 | P01 | 12 | 42. | 57. | 81. | 87. | 111. | 130. | 140. | 140. | 140. | 94. | 29.13 | 89.43 | 1.42 |
| | 005 | F01 | 16 | 31. | 33. | 61. | 80. | 102. | 119. | 136. | 136. | 136. | 81. | 31.52 | 74.10 | 1.58 |
| | 006 | F01 | 15 | 29. | 58. | 71. | 95. | 117. | 143. | 197. | 197. | 197. | 96. | 40.58 | 88.16 | 1.57 |
| | 007 | F01 | 16 | 42. | 46. | 79. | 92. | 124. | 159. | 167. | 167. | 167. | 102. | 38.84 | 94.29 | 1.52 |
| 089 Fort Dodge | 011 | F01 | 16 | 19. | 33. | 44. | 56. | 68. | 85. | 101. | 101. | 101. | 57. | 20.83 | 53.48 | 1.51 |
| | 012 | F01 | 14 | 57. | 58. | 84. | 86. | 131. | 148. | 253. | 253. | 253. | 109. | 51.17 | 100.64 | 1.50 |
| 089 Mason City | 011 | F01 | 16 | 46. | 51. | 84. | 95. | 111. | 140. | 347. | 347. | 347. | 108. | 69.65 | 95.08 | 1.61 |
| | 012 | F01 | 16 | 38. | 43. | 52. | 61. | 88. | 101. | 104. | 104. | 104. | 71. | 22.06 | 67.64 | 1.39 |
| | 013 | F01 | 16 | 39. | 43. | 79. | 93. | 107. | 129. | 149. | 149. | 149. | 92. | 32.68 | 85.82 | 1.50 |
| 089 Webster City | 002 | F01 | 8 | 50. | 50. | 118. | 164. | 168. | 492. | 492. | 492. | 492. | 202. | 161.15 | 152.25 | 2.28 |
| 090 Estherville | 001 | F05 | 16 | 23. | 26. | 46. | 66. | 90. | 103. | 117. | 117. | 117. | 67. | 29.12 | 59.68 | 1.67 |
| 090 Ida Co | 003 | F01 | 3 | 49. | 49. | 49. | 52. | 82. | 82. | 82. | 82. | 82. | | | | |
| 090 Spencer | 001 | F01 | 16 | 29. | 34. | 58. | 71. | 85. | 134. | 146. | 146. | 146. | 78. | 34.78 | 70.28 | 1.60 |
| 091 Iowa City | 008 | F01 | 16 | 52. | 64. | 84. | 106. | 123. | 207. | 378. | 378. | 378. | 124. | 77.10 | 109.60 | 1.60 |
| 091 Keokuk Co | 004 | F01 | 16 | 48. | 55. | 64. | 95. | 131. | 187. | 277. | 277. | 277. | 108. | 58.99 | 96.22 | 1.62 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **IOWA—Cont.** | | | | | | | | | | | | | | | | |
| 091 Ottumwa | 012 | F01 | 16 | 31. | 42. | 50. | 65. | 80. | 106. | 173. | 173. | 173. | 72. | 33.69 | 66.59 | 1.51 |
| 092 Altoona | 001 | G01 | 16 | 53. | 57. | 76. | 93. | 121. | 141. | 319. | 319. | 319. | 107. | 62.64 | 96.61 | 1.56 |
| 092 Ames | 003 | F02 | 16 | 35. | 38. | 48. | 54. | 89. | 107. | 113. | 113. | 113. | 67. | 26.46 | 62.05 | 1.48 |
| 092 Ankeny | 002 | G02 | 16 | 53. | 59. | 101. | 122. | 157. | 221. | 243. | 243. | 243. | 127. | 55.47 | 115.56 | 1.59 |
| 092 Des Moines | 001 | G01 | 14 | 62. | 69. | 97. | 124. | 149. | 208. | 210. | 210. | 210. | 131. | 48.06 | 122.28 | 1.47 |
| | 003 | G01 | 15 | 48. | 55. | 69. | 78. | 92. | 121. | 137. | 137. | 137. | 84. | 26.32 | 80.68 | 1.36 |
| | 023 | F01 | 16 | 27. | 42. | 56. | 67. | 84. | 104. | 108. | 108. | 108. | 70. | 22.37 | 66.41 | 1.44 |
| | 031 | G01 | 16 | 58. | 62. | 99. | 116. | 132. | 168. | 170. | 170. | 170. | 116. | 36.61 | 110.62 | 1.40 |
| | 046 | G02 | 16 | 64. | 85. | 117. | 126. | 171. | 233. | 249. | 249. | 249. | 147. | 54.60 | 137.29 | 1.46 |
| 092 Marshalltown | 002 | F01 | 16 | 39. | 44. | 65. | 78. | 110. | 114. | 130. | 130. | 130. | 83. | 27.85 | 78.74 | 1.44 |
| | 003 | F01 | 15 | 39. | 56. | 90. | 100. | 135. | 167. | 204. | 204. | 204. | 109. | 42.10 | 101.04 | 1.51 |
| 092 Pella | 002 | F01 | 14 | 39. | 40. | 50. | 56. | 59. | 71. | 72. | 72. | 72. | 56. | 10.54 | 54.99 | 1.21 |
| 092 Polk Co | 019 | G01 | 16 | 86. | 101. | 123. | 178. | 218. | 636. | 694. | 694. | 694. | 237. | 187.02 | 190.93 | 1.89 |
| | 020 | G01 | 16 | 50. | 60. | 95. | 105. | 158. | 206. | 256. | 256. | 256. | 124. | 57.55 | 112.43 | 1.60 |
| | 021 | G02 | 15 | 46. | 48. | 64. | 78. | 98. | 126. | 131. | 131. | 131. | 80. | 26.86 | 76.14 | 1.40 |
| | 025 | G01 | 16 | 68. | 73. | 91. | 118. | 142. | 203. | 409. | 409. | 409. | 134. | 81.56 | 120.26 | 1.56 |
| 092 West De Moines | 003 | G01 | 16 | 42. | 51. | 63. | 86. | 106. | 127. | 150. | 150. | 150. | 88. | 29.21 | 83.57 | 1.41 |
| | 005 | G02 | 16 | 78. | 83. | 103. | 121. | 153. | 192. | 259. | 259. | 259. | 135. | 49.33 | 127.58 | 1.41 |
| 093 Denison | 002 | F01 | 16 | 31. | 31. | 45. | 61. | 81. | 100. | 213. | 213. | 213. | 70. | 43.29 | 62.13 | 1.63 |
| **KANSAS** | | | | | | | | | | | | | | | | |
| 094 Johnson Co | 003 | F01 | 14 | 28. | 29. | 49. | 54. | 64. | 82. | 122. | 122. | 122. | 59. | 24.23 | 54.83 | 1.49 |
| | 004 | F01 | 15 | 24. | 28. | 37. | 62. | 71. | 101. | 153. | 153. | 153. | 64. | 33.91 | 56.89 | 1.68 |
| 094 Kansas City | 001 | H01 | 15 | 41. | 45. | 74. | 78. | 97. | 118. | 119. | 119. | 119. | 81. | 23.55 | 77.96 | 1.37 |
| | 004 | H01 | 16 | 43. | 49. | 61. | 82. | 106. | 113. | 125. | 125. | 125. | 84. | 25.87 | 80.26 | 1.40 |
| | 007 | H01 | 15 | 35. | 42. | 56. | 66. | 86. | 98. | 101. | 101. | 101. | 69. | 20.40 | 66.52 | 1.37 |
| | 011 | H01 | 15 | 61. | 81. | 115. | 124. | 142. | 195. | 228. | 228. | 228. | 127. | 43.26 | 120.69 | 1.40 |
| | 012 | P01 | 15 | 74. | 87. | 99. | 140. | 163. | 233. | 318. | 318. | 318. | 152. | 67.00 | 140.12 | 1.52 |
| | 013 | H01 | 12 | 19. | 44. | 54. | 58. | 85. | 87. | 104. | 104. | 104. | 65. | 23.35 | 59.79 | 1.56 |
| | 014 | H01 | 16 | 41. | 41. | 64. | 82. | 105. | 114. | 122. | 122. | 122. | 81. | 26.25 | 76.41 | 1.43 |
| | 015 | P01 | 16 | 60. | 80. | 93. | 125. | 160. | 297. | 400. | 400. | 400. | 155. | 90.06 | 136.47 | 1.66 |
| 094 Leavenworth | 001 | F01 | 13 | 28. | 30. | 42. | 62. | 79. | 108. | 219. | 219. | 219. | 72. | 50.01 | 61.64 | 1.75 |
| 094 Leavenworth Co | 001 | F01 | 14 | 48. | 58. | 87. | 95. | 117. | 170. | 173. | 173. | 173. | 102. | 39.62 | 94.45 | 1.49 |
| 094 Lexena | 002 | F01 | 16 | 20. | 24. | 46. | 51. | 68. | 80. | 86. | 86. | 86. | 54. | 19.03 | 50.48 | 1.51 |
| 094 Olathe | 001 | F01 | 16 | 35. | 42. | 61. | 66. | 77. | 106. | 119. | 119. | 119. | 71. | 22.58 | 68.17 | 1.38 |
| 094 Overland Park | 001 | F01 | 15 | 25. | 25. | 36. | 47. | 59. | 73. | 77. | 77. | 77. | 48. | 16.03 | 45.82 | 1.42 |
| 095 Atchison | 001 | F01 | 12 | 54. | 55. | 77. | 86. | 98. | 144. | 203. | 203. | 203. | 98. | 43.39 | 90.79 | 1.50 |
| 095 Beloit | 002 | F01 | 13 | 25. | 32. | 36. | 49. | 69. | 80. | 94. | 94. | 94. | 53. | 21.86 | 48.58 | 1.51 |
| 095 Lawrence | 001 | F01 | 16 | 7. | 11. | 57. | 74. | 87. | 98. | 109. | 109. | 109. | 69. | 28.89 | 58.03 | 2.17 |
| 095 Marysville | 002 | F01 | 16 | 19. | 32. | 44. | 45. | 77. | 85. | 102. | 102. | 102. | 57. | 23.42 | 52.42 | 1.56 |
| 095 Pottawatomie Co | 001 | F01 | 15 | 34. | 38. | 56. | 66. | 93. | 116. | 131. | 131. | 131. | 73. | 29.92 | 67.65 | 1.51 |
| 095 Shawnee Co | 001 | F01 | 14 | 18. | 19. | 27. | 33. | 58. | 87. | 107. | 107. | 107. | 45. | 27.85 | 38.21 | 1.79 |
| | 002 | F01 | 15 | 25. | 34. | 48. | 57. | 74. | 99. | 101. | 101. | 101. | 63. | 24.05 | 58.35 | 1.50 |
| | 003 | F01 | 14 | 18. | 19. | 39. | 47. | 58. | 89. | 98. | 98. | 98. | 51. | 25.38 | 44.64 | 1.75 |
| 095 Topeka | 001 | P01 | 14 | 27. | 31. | 44. | 51. | 61. | 90. | 94. | 94. | 94. | 53. | 20.55 | 49.35 | 1.47 |
| | 002 | F01 | 16 | 35. | 40. | 50. | 63. | 80. | 92. | 119. | 119. | 119. | 67. | 22.19 | 63.70 | 1.40 |
| | 004 | F01 | 16 | 31. | 45. | 61. | 70. | 97. | 108. | 137. | 137. | 137. | 79. | 26.66 | 73.98 | 1.45 |
| | 005 | F01 | 16 | 25. | 40. | 51. | 53. | 62. | 84. | 94. | 94. | 94. | 58. | 16.62 | 55.79 | 1.36 |
| | 006 | F01 | 15 | 31. | 35. | 41. | 55. | 74. | 89. | 93. | 93. | 93. | 59. | 21.58 | 55.19 | 1.45 |
| 096 Abilene | 001 | F01 | 8 | 50. | 50. | 60. | 62. | 91. | 142. | 142. | 142. | 142. | 82. | 34.04 | 76.86 | 1.47 |
| 096 Concordia | 001 | F01 | 15 | 38. | 42. | 56. | 64. | 82. | 110. | 113. | 113. | 113. | 72. | 24.87 | 67.61 | 1.42 |
| 096 Junction City | 002 | F01 | 3 | 79. | 79. | 79. | 82. | 261. | 261. | 261. | 261. | 261. | | | | |
| 096 Mc Pherson | 001 | F01 | 11 | 23. | 28. | 33. | 43. | 52. | 100. | 102. | 102. | 102. | 52. | 27.74 | 46.18 | 1.64 |
| 096 Manhattan | 001 | F01 | 14 | 34. | 37. | 45. | 51. | 63. | 82. | 105. | 105. | 105. | 58. | 20.92 | 54.94 | 1.40 |
| 096 Salina | 001 | F01 | 14 | 34. | 36. | 42. | 49. | 57. | 92. | 99. | 99. | 99. | 56. | 20.61 | 53.00 | 1.40 |
| 097 Goodland | 001 | F01 | 14 | 29. | 52. | 68. | 75. | 94. | 148. | 151. | 151. | 151. | 85. | 36.27 | 78.11 | 1.57 |
| 097 Graham Co | 001 | F01 | 15 | 43. | 45. | 53. | 61. | 69. | 101. | 164. | 164. | 164. | 70. | 30.97 | 65.66 | 1.42 |
| 097 Great Bend | 001 | F01 | 16 | 31. | 34. | 47. | 57. | 73. | 115. | 129. | 129. | 129. | 66. | 27.86 | 60.90 | 1.50 |
| 097 Hays | 001 | F01 | 14 | 27. | 30. | 43. | 44. | 57. | 89. | 153. | 153. | 153. | 58. | 33.45 | 50.91 | 1.63 |
| 097 Phillipsburg | 001 | F01 | 11 | 34. | 36. | 62. | 80. | 144. | 153. | 156. | 156. | 156. | 96. | 50.29 | 83.10 | 1.81 |
| 098 Chanute | 001 | F01 | 11 | 41. | 46. | 53. | 70. | 89. | 109. | 204. | 204. | 204. | 81. | 45.97 | 72.94 | 1.59 |
| 098 Coffeyville | 001 | F01 | 5 | 30. | 30. | 34. | 42. | 68. | 105. | 105. | 105. | 105. | | | | |
| 098 Emporia | 002 | F01 | 16 | 33. | 52. | 76. | 82. | 104. | 110. | 125. | 125. | 125. | 84. | 24.02 | 80.59 | 1.40 |
| 098 Linn Co | 001 | F01 | 16 | 29. | 29. | 47. | 58. | 74. | 92. | 128. | 128. | 128. | 63. | 25.74 | 58.16 | 1.52 |
| 098 Pittsburg | 001 | F01 | 16 | 17. | 23. | 32. | 40. | 51. | 78. | 87. | 87. | 87. | 44. | 19.43 | 40.50 | 1.56 |
| 099 Arkansas City | 001 | F01 | 12 | 35. | 38. | 44. | 58. | 77. | 87. | 90. | 90. | 90. | 63. | 19.75 | 59.58 | 1.40 |
| 099 El Dorado | 001 | F01 | 10 | 44. | 44. | 45. | 54. | 76. | 107. | 113. | 113. | 113. | 69. | 25.88 | 65.33 | 1.44 |
| 099 Hutchinson | 001 | F01 | 16 | 19. | 26. | 35. | 46. | 64. | 72. | 90. | 90. | 90. | 49. | 19.48 | 45.55 | 1.53 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **KANSAS — Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 099 Newton | 001 | F01 | 16 | 20. | 20. | 34. | 48. | 82. | 101. | 107. | 107. | 107. | 56. | 28.75 | 49.40 | 1.73 |
| 099 Sedgwick Co | 003 | F01 | 15 | 16. | 18. | 29. | 44. | 51. | 68. | 147. | 147. | 147. | 46. | 32.02 | 38.62 | 1.78 |
|  | 004 | F01 | 16 | 29. | 29. | 50. | 61. | 85. | 105. | 125. | 125. | 125. | 68. | 27.70 | 62.32 | 1.54 |
| 099 Wellington | 001 | F01 | 16 | 22. | 23. | 37. | 51. | 74. | 81. | 121. | 121. | 121. | 57. | 26.41 | 51.01 | 1.63 |
| 099 Wichita | 001 | P01 | 12 | 46. | 52. | 56. | 57. | 72. | 85. | 89. | 89. | 89. | 65. | 14.16 | 63.24 | 1.24 |
|  | 005 | F01 | 11 | 13. | 23. | 50. | 76. | 80. | 118. | 158. | 158. | 158. | 75. | 43.34 | 61.22 | 2.09 |
|  | 006 | F01 | 15 | 24. | 29. | 43. | 47. | 57. | 78. | 87. | 87. | 87. | 52. | 17.49 | 49.01 | 1.42 |
|  | 007 | F01 | 15 | 39. | 49. | 58. | 66. | 72. | 100. | 102. | 102. | 102. | 68. | 17.75 | 65.81 | 1.30 |
|  | 008 | F01 | 15 | 25. | 35. | 41. | 54. | 59. | 74. | 83. | 83. | 83. | 53. | 16.09 | 50.18 | 1.38 |
|  | 009 | F01 | 15 | 24. | 32. | 47. | 59. | 69. | 90. | 127. | 127. | 127. | 62. | 26.04 | 57.39 | 1.53 |
| 100 Dodge City | 001 | F01 | 16 | 8. | 9. | 15. | 27. | 56. | 85. | 244. | 244. | 244. | 46. | 57.52 | 29.27 | 2.57 |
| 100 Garden City | 001 | F01 | 16 | 48. | 55. | 62. | 80. | 115. | 174. | 356. | 356. | 356. | 103. | 75.38 | 88.70 | 1.67 |
| 100 Liberal | 001 | F01 | 16 | 39. | 50. | 55. | 59. | 91. | 136. | 164. | 164. | 164. | 79. | 37.00 | 71.83 | 1.52 |
| 100 Medicine Lodge | 001 | F01 | 8 | 33. | 33. | 42. | 64. | 102. | 153. | 153. | 153. | 153. | 80. | 41.91 | 70.67 | 1.74 |
| 100 Ulysses | 001 | F01 | 14 | 22. | 38. | 73. | 101. | 161. | 452. | 704. | 704. | 704. | 180. | 193.90 | 114.15 | 2.66 |
| **KENTUCKY** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 072 Ballard Co | 002 | F01 | 15 | 35. | 40. | 52. | 60. | 90. | 114. | 144. | 144. | 144. | 71. | 31.02 | 65.13 | 1.51 |
|  | 003 | F01 | 16 | 30. | 45. | 59. | 69. | 124. | 184. | 203. | 203. | 203. | 96. | 51.01 | 84.30 | 1.71 |
| 072 Carlisle Co | 001 | F01 | 16 | 31. | 39. | 47. | 55. | 75. | 102. | 124. | 124. | 124. | 64. | 25.38 | 60.24 | 1.45 |
| 072 Central City | 002 | F01 | 15 | 37. | 39. | 58. | 83. | 133. | 174. | 185. | 185. | 185. | 98. | 51.58 | 84.88 | 1.76 |
| 072 Fulton | 001 | F01 | 16 | 46. | 47. | 61. | 70. | 96. | 134. | 137. | 137. | 137. | 81. | 30.76 | 76.41 | 1.43 |
| 072 Hopkinsville | 002 | F01 | 14 | 39. | 40. | 53. | 57. | 122. | 133. | 150. | 150. | 150. | 83. | 41.25 | 73.66 | 1.68 |
| 072- Mc Cracken Co | 001 | F02 | 13 | 37. | 41. | 48. | 49. | 92. | 129. | 135. | 135. | 135. | 68. | 34.09 | 62.04 | 1.55 |
|  | 021 | F02 | 16 | 24. | 35. | 45. | 50. | 80. | 140. | 329. | 329. | 329. | 81. | 73.63 | 64.64 | 1.89 |
|  | 022 | F02 | 15 | 34. | 35. | 43. | 51. | 85. | 109. | 141. | 141. | 141. | 67. | 32.92 | 60.35 | 1.59 |
|  | 023 | F02 | 15 | 35. | 37. | 42. | 49. | 88. | 109. | 161. | 161. | 161. | 67. | 36.21 | 59.78 | 1.60 |
| 072 Madisonville | 001 | F01 | 14 | 42. | 43. | 49. | 53. | 87. | 99. | 115. | 115. | 115. | 70. | 24.47 | 65.70 | 1.42 |
| 072 Marshall Co | 002 | F01 | 14 | 39. | 43. | 51. | 57. | 78. | 94. | 161. | 161. | 161. | 69. | 32.00 | 63.63 | 1.47 |
|  | 008 | F01 | 15 | 42. | 45. | 52. | 62. | 87. | 113. | 221. | 221. | 221. | 79. | 45.24 | 70.46 | 1.57 |
| 072 Murray | 001 | F01 | 16 | 38. | 39. | 50. | 64. | 77. | 91. | 108. | 108. | 108. | 65. | 20.86 | 61.98 | 1.38 |
| 072 Paducah | 001 | F01 | 15 | 45. | 46. | 51. | 54. | 85. | 133. | 153. | 153. | 153. | 76. | 35.45 | 69.37 | 1.52 |
|  | 002 | F01 | 13 | 49. | 54. | 59. | 73. | 117. | 159. | 165. | 165. | 165. | 93. | 41.64 | 85.07 | 1.54 |
|  | 003 | F01 | 14 | 49. | 51. | 59. | 70. | 97. | 152. | 157. | 157. | 157. | 87. | 39.02 | 80.15 | 1.53 |
|  | 004 | F01 | 14 | 57. | 60. | 78. | 79. | 104. | 169. | 197. | 197. | 197. | 102. | 42.68 | 94.70 | 1.47 |
|  | 005 | F03 | 14 | 32. | 38. | 43. | 48. | 77. | 96. | 137. | 137. | 137. | 65. | 29.35 | 59.21 | 1.53 |
|  | 020 | F01 | 14 | 45. | 49. | 59. | 64. | 100. | 161. | 235. | 235. | 235. | 91. | 53.27 | 80.58 | 1.62 |
| 072 Princeton | 001 | F01 | 14 | 38. | 44. | 52. | 57. | 85. | 128. | 258. | 258. | 258. | 83. | 57.02 | 71.31 | 1.67 |
| 072 Todd Co | 003 | F02 | 7 | 94. | 94. | 121. | 122. | 170. | 204. | 204. | 204. | 204. | 144. | 40.75 | 139.44 | 1.33 |
| 077 Beaver Dam | 001 | F02 | 16 | 32. | 40. | 57. | 64. | 126. | 132. | 151. | 151. | 151. | 85. | 40.20 | 75.86 | 1.65 |
| 077 Hancock Co | 002 | F01 | 12 | 31. | 32. | 57. | 67. | 131. | 167. | 201. | 201. | 201. | 90. | 56.16 | 75.79 | 1.87 |
|  | 004 | F01 | 16 | 32. | 33. | 53. | 58. | 85. | 116. | 130. | 130. | 130. | 68. | 28.71 | 62.15 | 1.53 |
| 077 Henderson | 002 | F01 | 16 | 24. | 44. | 65. | 81. | 118. | 151. | 155. | 155. | 155. | 92. | 39.87 | 82.92 | 1.65 |
|  | 003 | F01 | 16 | 45. | 45. | 60. | 73. | 114. | 150. | 159. | 159. | 159. | 89. | 37.07 | 81.73 | 1.52 |
|  | 004 | F01 | 15 | 31. | 48. | 61. | 77. | 106. | 124. | 154. | 154. | 154. | 84. | 35.41 | 76.95 | 1.56 |
|  | 005 | F01 | 12 | 23. | 29. | 97. | 120. | 169. | 215. | 254. | 254. | 254. | 131. | 72.84 | 106.93 | 2.14 |
|  | 008 | F01 | 15 | 45. | 51. | 96. | 103. | 129. | 207. | 207. | 207. | 207. | 117. | 51.89 | 106.96 | 1.57 |
|  | 009 | F01 | 15 | 35. | 38. | 68. | 95. | 123. | 145. | 195. | 195. | 195. | 99. | 43.73 | 89.38 | 1.63 |
| 077 Henderson Co | 001 | F02 | 12 | 26. | 28. | 36. | 51. | 91. | 92. | 95. | 95. | 95. | 59. | 26.98 | 53.09 | 1.63 |
|  | 006 | F02 | 14 | 35. | 44. | 54. | 58. | 73. | 153. | 263. | 263. | 263. | 83. | 60.50 | 70.64 | 1.72 |
| 077 Ohio Co | 026 | F02 | 15 | 31. | 36. | 47. | 93. | 119. | 165. | 276. | 276. | 276. | 97. | 66.44 | 78.93 | 1.92 |
|  | 027 | F02 | 13 | 31. | 34. | 37. | 53. | 67. | 93. | 116. | 116. | 116. | 58. | 25.65 | 53.60 | 1.51 |
| 077 Owensboro | 001 | F01 | 12 | 52. | 69. | 76. | 95. | 128. | 152. | 176. | 176. | 176. | 105. | 37.56 | 98.70 | 1.44 |
|  | 002 | F01 | 15 | 42. | 50. | 65. | 86. | 155. | 195. | 244. | 244. | 244. | 111. | 61.69 | 95.93 | 1.74 |
|  | 003 | F01 | 15 | 39. | 44. | 46. | 52. | 67. | 104. | 113. | 113. | 113. | 62. | 23.29 | 58.96 | 1.40 |
|  | 005 | F01 | 10 | 48. | 48. | 57. | 109. | 136. | 166. | 206. | 206. | 206. | 114. | 53.68 | 101.46 | 1.68 |
|  | 006 | F01 | 15 | 43. | 49. | 57. | 71. | 83. | 111. | 145. | 145. | 145. | 77. | 28.51 | 72.84 | 1.42 |
|  | 008 | F01 | 14 | 54. | 83. | 127. | 152. | 165. | 186. | 196. | 196. | 196. | 143. | 41.28 | 135.94 | 1.43 |
| 077 Webster Co | 001 | F02 | 14 | 36. | 47. | 62. | 69. | 96. | 106. | 117. | 117. | 117. | 76. | 24.39 | 72.61 | 1.40 |
| 078 Buechel | 001 | G01 | 16 | 49. | 50. | 65. | 68. | 102. | 159. | 173. | 173. | 173. | 88. | 38.13 | 81.67 | 1.48 |
| 078 Jefferson Co | 013 | G01 | 15 | 43. | 56. | 76. | 115. | 130. | 189. | 211. | 211. | 211. | 115. | 49.91 | 104.83 | 1.59 |
|  | 027 | G03 | 16 | 33. | 41. | 45. | 52. | 67. | 101. | 115. | 115. | 115. | 60. | 22.73 | 56.84 | 1.41 |
|  | 029 | G01 | 16 | 50. | 64. | 83. | 113. | 133. | 188. | 189. | 189. | 189. | 116. | 43.63 | 108.43 | 1.48 |
| 078 Louisville | 004 | G02 | 13 | 76. | 88. | 104. | 111. | 135. | 170. | 190. | 190. | 190. | 119. | 32.14 | 115.29 | 1.29 |
|  | 009 | G01 | 16 | 42. | 44. | 74. | 82. | 108. | 124. | 150. | 150. | 150. | 88. | 28.68 | 83.39 | 1.41 |
|  | 011 | G01 | 6 | 79. | 79. | 82. | 85. | 114. | 141. | 141. | 141. | 141. | 100. | 23.95 | 98.15 | 1.25 |
|  | 014 | G01 | 14 | 69. | 69. | 75. | 83. | 89. | 147. | 153. | 153. | 153. | 94. | 28.66 | 90.28 | 1.31 |
|  | 019 | G01 | 14 | 47. | 49. | 62. | 65. | 74. | 129. | 136. | 136. | 136. | 78. | 29.00 | 73.86 | 1.40 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **KENTUCKY — Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 020 | G01 | 15 | 68. | 68. | 91. | 107. | 120. | 154. | 175. | 175. | 175. | 111. | 31.41 | 107.19 | 1.32 |
|  | 021 | G01 | 16 | 55. | 56. | 63. | 70. | 82. | 142. | 150. | 150. | 150. | 84. | 31.55 | 79.60 | 1.40 |
|  | 028 | G01 | 11 | 60. | 62. | 85. | 87. | 108. | 127. | 218. | 218. | 218. | 101. | 44.33 | 94.59 | 1.45 |
| 078 Okolona | 001 | G01 | 14 | 128. | 144. | 149. | 171. | 188. | 260. | 299. | 299. | 299. | 185. | 48.40 | 179.34 | 1.27 |
| 078 Pleasure Ridge Park | 001 | G01 | 13 | 30. | 38. | 42. | 63. | 89. | 91. | 103. | 103. | 103. | 65. | 25.07 | 60.62 | 1.52 |
| 078 St Matthews | 004 | G01 | 16 | 51. | 65. | 71. | 77. | 88. | 141. | 148. | 148. | 148. | 88. | 28.46 | 84.08 | 1.34 |
| 078 Shively | 002 | G01 | 15 | 43. | 55. | 70. | 96. | 116. | 142. | 144. | 144. | 144. | 95. | 32.28 | 89.11 | 1.44 |
| 079 Alexandria | 001 | F01 | 11 | 33. | 34. | 54. | 67. | 84. | 145. | 178. | 178. | 178. | 82. | 49.51 | 69.64 | 1.79 |
| 079 Boone Co | 002 | F01 | 16 | 24. | 32. | 65. | 88. | 122. | 138. | 179. | 179. | 179. | 92. | 42.09 | 81.59 | 1.72 |
|  | 003 | F03 | 16 | 32. | 36. | 49. | 52. | 79. | 124. | 133. | 133. | 133. | 67. | 30.83 | 61.53 | 1.53 |
|  | 004 | F03 | 16 | 27. | 32. | 39. | 57. | 72. | 78. | 108. | 108. | 108. | 58. | 21.38 | 54.25 | 1.46 |
| 079 Carroll Co | 001 | F03 | 14 | 23. | 36. | 45. | 48. | 53. | 94. | 96. | 96. | 96. | 55. | 22.60 | 51.33 | 1.48 |
| 079 Carrollton | 001 | F01 | 15 | 35. | 44. | 53. | 57. | 70. | 127. | 134. | 134. | 134. | 68. | 29.45 | 63.68 | 1.46 |
| 079 Covington | 007 | F01 | 15 | 21. | 31. | 47. | 60. | 87. | 124. | 126. | 126. | 126. | 69. | 33.93 | 61.53 | 1.69 |
| 079 Erlanger | 001 | F01 | 16 | 31. | 35. | 55. | 63. | 90. | 120. | 122. | 122. | 122. | 72. | 28.75 | 67.00 | 1.50 |
| 079 Falmouth | 001 | F01 | 16 | 27. | 44. | 50. | 54. | 73. | 105. | 108. | 108. | 108. | 64. | 24.06 | 59.57 | 1.45 |
| 079 Florence | 001 | F01 | 16 | 37. | 46. | 59. | 62. | 99. | 121. | 121. | 121. | 121. | 73. | 27.31 | 68.27 | 1.44 |
| 079 Fort Mitchell | 002 | F01 | 15 | 29. | 36. | 51. | 57. | 69. | 120. | 129. | 129. | 129. | 65. | 30.52 | 59.50 | 1.56 |
| 079 Fort Thomas | 001 | F01 | 16 | 32. | 48. | 54. | 64. | 101. | 135. | 136. | 136. | 136. | 80. | 32.20 | 73.51 | 1.52 |
| 079 Gallatin Co | 001 | F03 | 15 | 5. | 46. | 55. | 75. | 97. | 121. | 162. | 162. | 162. | 78. | 39.57 | 64.41 | 2.25 |
| 079 Newport | 001 | F01 | 12 | 107. | 108. | 122. | 131. | 190. | 202. | 240. | 240. | 240. | 154. | 44.77 | 148.05 | 1.33 |
| 079 Owen Co | 001 | F01 | 16 | 38. | 41. | 51. | 62. | 82. | 121. | 124. | 124. | 124. | 70. | 28.40 | 65.07 | 1.46 |
| 101 Corbin | 001 | F01 | 11 | 39. | 44. | 52. | 90. | 118. | 138. | 197. | 197. | 197. | 93. | 48.57 | 82.36 | 1.70 |
| 101 Hazard | 001 | F01 | 12 | 53. | 55. | 66. | 87. | 160. | 214. | 278. | 278. | 278. | 122. | 71.09 | 105.33 | 1.74 |
| 101 London | 002 | F01 | 11 | 28. | 29. | 49. | 75. | 85. | 129. | 194. | 194. | 194. | 80. | 49.69 | 67.93 | 1.84 |
| 101 Middlesborough | 001 | F01 | 11 | 37. | 44. | 60. | 67. | 129. | 146. | 263. | 263. | 263. | 98. | 67.90 | 81.28 | 1.84 |
| 101 Pikeville | 001 | F01 | 12 | 38. | 52. | 71. | 85. | 106. | 154. | 163. | 163. | 163. | 94. | 39.55 | 86.01 | 1.54 |
| 101 Prestonsburg | 001 | F01 | 14 | 22. | 25. | 42. | 47. | 99. | 149. | 149. | 149. | 149. | 70. | 43.27 | 58.52 | 1.87 |
| 102 Berea | 001 | F01 | 15 | 26. | 27. | 49. | 58. | 70. | 95. | 104. | 104. | 104. | 61. | 23.80 | 56.38 | 1.53 |
| 102 Clark Co | 001 | F02 | 11 | 38. | 48. | 53. | 78. | 105. | 128. | 144. | 144. | 144. | 82. | 35.64 | 74.84 | 1.56 |
| 102 Cynthiana | 001 | F01 | 16 | 46. | 63. | 67. | 78. | 115. | 131. | 131. | 131. | 131. | 87. | 27.14 | 82.75 | 1.36 |
| 102 Danville | 003 | F01 | 16 | 19. | 21. | 35. | 44. | 55. | 76. | 77. | 77. | 77. | 46. | 17.49 | 43.10 | 1.50 |
| 102 Frankfort | 002 | F01 | 15 | 26. | 31. | 43. | 47. | 60. | 88. | 103. | 103. | 103. | 55. | 22.18 | 50.80 | 1.48 |
| 102 Franklin Co | 001 | F03 | 11 | 21. | 24. | 33. | 47. | 53. | 102. | 135. | 135. | 135. | 54. | 34.62 | 46.63 | 1.76 |
| 102 Lexington | 002 | F01 | 16 | 23. | 27. | 50. | 53. | 64. | 84. | 90. | 90. | 90. | 56. | 19.29 | 52.77 | 1.47 |
|  | 003 | F01 | 15 | 37. | 44. | 56. | 67. | 90. | 114. | 268. | 268. | 268. | 85. | 55.96 | 74.28 | 1.62 |
|  | 004 | F01 | 15 | 36. | 38. | 44. | 63. | 111. | 175. | 239. | 239. | 239. | 91. | 62.10 | 75.00 | 1.88 |
|  | 005 | F01 | 15 | 27. | 30. | 47. | 62. | 91. | 159. | 200. | 200. | 200. | 77. | 48.08 | 65.67 | 1.77 |
| 102 Richmond | 001 | F01 | 14 | 58. | 62. | 78. | 89. | 104. | 118. | 146. | 146. | 146. | 92. | 25.04 | 88.49 | 1.31 |
| 102 Winchester | 001 | F01 | 15 | 40. | 42. | 53. | 58. | 70. | 118. | 139. | 139. | 139. | 69. | 29.42 | 63.84 | 1.46 |
| 103 Ashland | 003 | F01 | 16 | 43. | 53. | 70. | 85. | 131. | 202. | 211. | 211. | 211. | 106. | 50.68 | 95.59 | 1.62 |
|  | 005 | F01 | 16 | 43. | 56. | 72. | 86. | 153. | 177. | 233. | 233. | 233. | 112. | 54.01 | 100.44 | 1.63 |
|  | 006 | F01 | 16 | 27. | 29. | 36. | 65. | 93. | 117. | 151. | 151. | 151. | 70. | 38.47 | 60.49 | 1.76 |
|  | 007 | F01 | 11 | 27. | 29. | 44. | 58. | 79. | 100. | 105. | 105. | 105. | 60. | 27.62 | 54.30 | 1.62 |
|  | 008 | F01 | 16 | 50. | 55. | 68. | 91. | 123. | 192. | 201. | 201. | 201. | 106. | 48.92 | 96.08 | 1.58 |
| 103 Carter Co | 001 | F01 | 14 | 36. | 45. | 54. | 54. | 92. | 120. | 137. | 137. | 137. | 76. | 30.82 | 70.12 | 1.50 |
| 103 Catlettsburg | 001 | F01 | 13 | 10. | 10. | 11. | 22. | 85. | 118. | 123. | 123. | 123. | 47. | 44.42 | 29.49 | 2.75 |
| 103 Greenup Co | 001 | F01 | 12 | 26. | 29. | 37. | 61. | 95. | 104. | 130. | 130. | 130. | 67. | 34.26 | 58.66 | 1.74 |
| 103 Lawrence Co | 001 | F01 | 16 | 55. | 56. | 61. | 64. | 108. | 138. | 143. | 143. | 143. | 82. | 30.35 | 77.66 | 1.40 |
| 103 Maysville | 004 | F01 | 11 | 32. | 34. | 55. | 79. | 117. | 123. | 168. | 168. | 168. | 84. | 44.52 | 73.09 | 1.76 |
| 103 Morehead | 001 | F01 | 14 | 23. | 25. | 49. | 55. | 71. | 86. | 108. | 108. | 108. | 60. | 24.57 | 54.78 | 1.59 |
| 104 Bardstown | 001 | F01 | 16 | 26. | 31. | 44. | 48. | 72. | 116. | 135. | 135. | 135. | 63. | 31.08 | 56.58 | 1.61 |
| 104 Elizabethtown | 002 | F01 | 15 | 38. | 41. | 48. | 69. | 80. | 115. | 171. | 171. | 171. | 74. | 36.33 | 66.96 | 1.55 |
|  | 003 | F01 | 15 | 34. | 34. | 46. | 56. | 76. | 115. | 159. | 159. | 159. | 69. | 35.21 | 62.39 | 1.59 |
| 104 Hardin Co | 001 | F03 | 16 | 26. | 30. | 42. | 48. | 56. | 91. | 98. | 98. | 98. | 54. | 21.15 | 50.35 | 1.46 |
|  | 002 | F03 | 16 | 30. | 31. | 47. | 54. | 86. | 103. | 129. | 129. | 129. | 65. | 28.26 | 59.89 | 1.54 |
| 104 Leitchfield | 001 | F01 | 14 | 45. | 45. | 64. | 74. | 136. | 150. | 179. | 179. | 179. | 93. | 45.70 | 83.21 | 1.63 |
| 104 Meade Co | 001 | F03 | 14 | 26. | 27. | 46. | 53. | 82. | 100. | 104. | 104. | 104. | 62. | 26.83 | 56.74 | 1.59 |
| 104 Oldham Co | 002 | F01 | 15 | 27. | 36. | 51. | 75. | 90. | 115. | 134. | 134. | 134. | 72. | 30.72 | 65.25 | 1.59 |
|  | 003 | F03 | 13 | 26. | 34. | 40. | 48. | 64. | 87. | 91. | 91. | 91. | 54. | 19.92 | 51.08 | 1.44 |
| 104 Shelbyville | 001 | F01 | 16 | 39. | 45. | 50. | 64. | 71. | 110. | 112. | 112. | 112. | 67. | 21.91 | 64.09 | 1.36 |
| 104 Shepherdsville | 001 | F01 | 16 | 41. | 48. | 73. | 82. | 98. | 143. | 163. | 163. | 163. | 89. | 32.22 | 83.47 | 1.44 |
| 104 Trimble Co | 001 | F03 | 10 | 34. | 34. | 56. | 60. | 83. | 99. | 138. | 138. | 138. | 72. | 31.40 | 65.75 | 1.55 |
|  | 002 | F03 | 15 | 24. | 34. | 41. | 50. | 70. | 83. | 148. | 148. | 148. | 58. | 30.29 | 52.35 | 1.56 |
| 105 Bowling Green | 004 | F01 | 16 | 17. | 49. | 57. | 66. | 88. | 99. | 116. | 116. | 116. | 70. | 24.28 | 64.71 | 1.56 |
|  | 005 | F01 | 16 | 27. | 36. | 42. | 47. | 63. | 107. | 116. | 116. | 116. | 60. | 25.87 | 55.13 | 1.50 |
| 105 Franklin | 001 | F01 | 13 | 39. | 55. | 63. | 83. | 110. | 118. | 155. | 155. | 155. | 87. | 32.11 | 81.55 | 1.46 |
| 105 Glasgow | 001 | F01 | 15 | 41. | 41. | 51. | 56. | 77. | 124. | 217. | 217. | 217. | 75. | 46.11 | 66.74 | 1.60 |
| 105 Russellville | 002 | F01 | 16 | 33. | 39. | 47. | 53. | 65. | 92. | 128. | 128. | 128. | 61. | 24.28 | 56.94 | 1.42 |

# PARTICULATE, micrograms per cubic meter (25 C)
# HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **KENTUCKY — Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 105 Somerset | 002 | F01 | 13 | 28. | 31. | 49. | 62. | 75. | 118. | 121. | 121. | 121. | 66. | 29.67 | 60.09 | 1.58 |
| **LOUISIANA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 019 Lake Providence | 001 | F01 | 16 | 53. | 54. | 77. | 84. | 127. | 143. | 218. | 218. | 218. | 103. | 42.12 | 95.92 | 1.46 |
| 019 Monroe | 001 | F01 | 14 | 31. | 32. | 48. | 54. | 72. | 144. | 149. | 149. | 149. | 73. | 39.35 | 64.25 | 1.66 |
| 019 Vidalia | 001 | F01 | 16 | 32. | 41. | 49. | 58. | 76. | 113. | 121. | 121. | 121. | 66. | 25.50 | 61.93 | 1.44 |
| 022 Mamou | 001 | F01 | 3 | 41. | 41. | 41. | 52. | 68. | 68. | 68. | 68. | 68. |  |  |  |  |
| 022 Shreveport | 001 | F01 | 4 | 72. | 72. | 148. | 148. | 155. | 163. | 163. | 163. | 163. |  |  |  |  |
|  | 002 | F01 | 3 | 48. | 48. | 48. | 63. | 76. | 76. | 76. | 76. | 76. |  |  |  |  |
|  | 003 | F01 | 6 | 13. | 13. | 17. | 42. | 43. | 64. | 64. | 64. | 64. | 37. | 18.93 | 32.00 | 1.86 |
| 106 Alexandria | 001 | F01 | 13 | 14. | 14. | 21. | 31. | 43. | 50. | 58. | 58. | 58. | 32. | 14.13 | 29.44 | 1.61 |
| 106 Baton Rouge | 002 | F01 | 10 | 30. | 30. | 41. | 59. | 66. | 76. | 127. | 127. | 127. | 61. | 28.01 | 56.04 | 1.53 |
|  | 003 | F01 | 15 | 22. | 29. | 38. | 55. | 63. | 80. | 104. | 104. | 104. | 54. | 22.46 | 49.39 | 1.55 |
| 106 Harvey | 001 | F01 | 16 | 41. | 46. | 67. | 76. | 89. | 113. | 148. | 148. | 148. | 81. | 26.66 | 76.64 | 1.39 |
| 106 Iberville Par | 002 | F01 | 16 | 23. | 25. | 32. | 44. | 61. | 104. | 109. | 109. | 109. | 52. | 27.35 | 45.68 | 1.64 |
|  | 003 | F01 | 14 | 21. | 25. | 46. | 52. | 78. | 93. | 95. | 95. | 95. | 59. | 26.36 | 52.31 | 1.69 |
|  | 004 | F02 | 16 | 31. | 38. | 44. | 56. | 83. | 117. | 123. | 123. | 123. | 69. | 30.45 | 62.90 | 1.56 |
| 106 Lafayette | 001 | F01 | 16 | 30. | 30. | 50. | 82. | 95. | 109. | 158. | 158. | 158. | 76. | 33.45 | 69.39 | 1.59 |
| 106 Lake Charles | 001 | F01 | 14 | 17. | 25. | 42. | 63. | 75. | 113. | 139. | 139. | 139. | 63. | 34.87 | 54.09 | 1.82 |
|  | 002 | F01 | 16 | 25. | 25. | 37. | 65. | 78. | 94. | 139. | 139. | 139. | 64. | 29.74 | 57.18 | 1.64 |
| 106 Metairie | 001 | F01 | 15 | 47. | 51. | 66. | 80. | 102. | 112. | 169. | 169. | 169. | 86. | 31.66 | 80.96 | 1.42 |
| 106 New Orleans | 002 | F01 | 11 | 43. | 48. | 65. | 71. | 87. | 108. | 147. | 147. | 147. | 79. | 30.27 | 73.80 | 1.44 |
|  | 006 | F01 | 16 | 31. | 33. | 41. | 52. | 56. | 66. | 131. | 131. | 131. | 53. | 23.28 | 49.29 | 1.41 |
|  | 007 | F01 | 16 | 32. | 33. | 45. | 55. | 60. | 73. | 136. | 136. | 136. | 58. | 24.53 | 53.96 | 1.44 |
|  | 008 | F01 | 16 | 31. | 33. | 41. | 45. | 66. | 130. | 136. | 136. | 136. | 59. | 31.37 | 53.33 | 1.55 |
|  | 009 | F01 | 16 | 50. | 50. | 64. | 70. | 105. | 125. | 144. | 144. | 144. | 83. | 28.43 | 79.03 | 1.39 |
|  | 010 | F01 | 11 | 47. | 49. | 62. | 73. | 89. | 105. | 176. | 176. | 176. | 82. | 36.76 | 76.22 | 1.47 |
|  | 011 | F01 | 15 | 28. | 30. | 41. | 44. | 55. | 87. | 112. | 112. | 112. | 52. | 22.73 | 48.26 | 1.47 |
| 106 St Bernard Par | 001 | F02 | 22 | 28. | 38. | 58. | 86. | 115. | 140. | 152. | 155. | 155. | 90. | 38.89 | 80.82 | 1.64 |
| 106 St John The Baptist Par | 001 | F01 | 11 | 29. | 31. | 37. | 50. | 59. | 73. | 74. | 74. | 74. | 49. | 16.42 | 46.68 | 1.41 |
|  | 002 | F01 | 5 | 22. | 22. | 35. | 51. | 60. | 111. | 111. | 111. | 111. |  |  |  |  |
| 106 Westlake | 002 | F01 | 5 | 36. | 36. | 37. | 62. | 95. | 148. | 148. | 148. | 148. |  |  |  |  |
| **MAINE** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 107 Augusta | 001 | F01 | 15 | 37. | 41. | 53. | 62. | 81. | 107. | 159. | 159. | 159. | 72. | 31.77 | 66.59 | 1.48 |
|  | 002 | F01 | 3 | 47. | 47. | 47. | 124. | 128. | 128. | 128. | 128. | 128. |  |  |  |  |
| 107 Lewiston | 005 | F01 | 15 | 13. | 29. | 51. | 68. | 82. | 122. | 167. | 167. | 167. | 71. | 39.51 | 59.81 | 1.89 |
|  | 006 | F01 | 14 | 8. | 19. | 38. | 42. | 53. | 95. | 114. | 114. | 114. | 49. | 29.08 | 40.84 | 1.98 |
| 107 Lincoln Co | 001 | F02 | 5 | 10. | 10. | 51. | 52. | 62. | 82. | 82. | 82. | 82. |  |  |  |  |
| 107 Livermore Falls | 001 | F02 | 15 | 21. | 24. | 38. | 54. | 65. | 90. | 94. | 94. | 94. | 54. | 24.48 | 48.31 | 1.65 |
| 107 Mexico | 003 | F02 | 16 | 13. | 18. | 30. | 42. | 47. | 72. | 79. | 79. | 79. | 42. | 17.89 | 37.77 | 1.62 |
| 107 Rockland | 003 | F01 | 11 | 25. | 37. | 49. | 56. | 80. | 112. | 172. | 172. | 172. | 73. | 42.95 | 63.14 | 1.73 |
| 107 Somerset Co | 001 | F01 | 12 | 13. | 15. | 28. | 34. | 44. | 56. | 75. | 75. | 75. | 37. | 17.25 | 33.17 | 1.65 |
| 107 Waterville | 001 | F01 | 16 | 30. | 34. | 37. | 40. | 63. | 70. | 90. | 90. | 90. | 50. | 17.06 | 47.11 | 1.38 |
| 107 Winslow | 002 | F01 | 11 | 22. | 24. | 39. | 45. | 63. | 107. | 115. | 115. | 115. | 57. | 32.87 | 49.65 | 1.75 |
| 108 Madawaska | 002 | F02 | 13 | 9. | 24. | 37. | 46. | 69. | 121. | 151. | 151. | 151. | 62. | 42.90 | 49.01 | 2.16 |
| 108 Presque Isle | 002 | F01 | 10 | 28. | 28. | 31. | 75. | 85. | 165. | 194. | 194. | 194. | 88. | 58.85 | 70.16 | 2.06 |
| 109 Acadia Nat Park | 001 | F03 | 7 | 6. | 6. | 15. | 26. | 28. | 38. | 38. | 38. | 38. | 23. | 11.63 | 19.49 | 1.92 |
| 109 Bangor | 001 | F01 | 33 | 24. | 30. | 43. | 55. | 77. | 98. | 141. | 161. | 161. | 64. | 31.44 | 58.08 | 1.59 |
|  | 002 | F01 | 24 | 44. | 51. | 78. | 100. | 159. | 212. | 278. | 384. | 384. | 128. | 81.12 | 108.74 | 1.79 |
| 109 Millinocket | 001 | F02 | 13 | 22. | 23. | 33. | 55. | 70. | 120. | 125. | 125. | 125. | 58. | 33.08 | 50.59 | 1.75 |
|  | 002 | F02 | 12 | 9. | 13. | 27. | 39. | 44. | 53. | 55. | 55. | 55. | 35. | 15.37 | 30.51 | 1.79 |
| 109 Old Town | 001 | F02 | 15 | 31. | 33. | 48. | 53. | 63. | 87. | 175. | 175. | 175. | 64. | 34.67 | 57.76 | 1.53 |
| 109 Washington Co | 001 | F02 | 15 | 6. | 12. | 18. | 30. | 48. | 56. | 87. | 87. | 87. | 34. | 22.25 | 26.87 | 2.09 |
|  | 003 | F02 | 6 | 29. | 29. | 33. | 37. | 57. | 68. | 68. | 68. | 68. |  |  |  |  |
| 110 Biddeford | 001 | F01 | 14 | 27. | 32. | 40. | 51. | 57. | 101. | 136. | 136. | 136. | 58. | 29.66 | 52.03 | 1.57 |
| 110 Portland | 004 | F01 | 14 | 31. | 33. | 39. | 45. | 60. | 76. | 115. | 115. | 115. | 55. | 22.77 | 51.46 | 1.46 |
|  | 006 | F01 | 16 | 7. | 21. | 37. | 52. | 75. | 108. | 118. | 118. | 118. | 60. | 33.00 | 49.38 | 2.07 |
|  | 007 | F01 | 13 | 16. | 22. | 32. | 34. | 49. | 94. | 99. | 99. | 99. | 45. | 25.64 | 39.53 | 1.69 |
| 110 South Portland | 001 | F01 | 15 | 21. | 21. | 35. | 43. | 45. | 61. | 104. | 104. | 104. | 44. | 20.11 | 40.65 | 1.50 |
|  | 002 | F01 | 16 | 15. | 16. | 34. | 40. | 52. | 92. | 101. | 101. | 101. | 48. | 26.00 | 41.68 | 1.77 |
| **MARYLAND** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 047 Capitol Heights | 001 | G01 | 16 | 33. | 35. | 50. | 59. | 70. | 84. | 106. | 106. | 106. | 61. | 19.73 | 58.06 | 1.39 |
| 047 Cheverly | 004 | F01 | 16 | 35. | 35. | 50. | 55. | 79. | 117. | 138. | 138. | 138. | 66. | 29.19 | 61.11 | 1.50 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **MARYLAND — Cont.** | | | | | | | | | | | | | | | | |
| 047 Hyattsville | 002 | G01 | 16 | 28. | 42. | 53. | 60. | 82. | 100. | 133. | 133. | 133. | 67. | 26.15 | 63.04 | 1.46 |
| 047 Laurel | 002 | H01 | 16 | 35. | 39. | 46. | 50. | 56. | 78. | 86. | 86. | 86. | 54. | 13.36 | 52.41 | 1.26 |
| 047 Montgomery Co | 010 | F01 | 4 | 74. | 74. | 81. | 81. | 254. | 330. | 330. | 330. | 330. | | | | |
| | 011 | G01 | 10 | 29. | 29. | 46. | 58. | 62. | 87. | 102. | 102. | 102. | 61. | 21.55 | 57.10 | 1.44 |
| | 013 | J02 | 14 | 31. | 43. | 59. | 64. | 75. | 114. | 410. | 410. | 410. | 91. | 94.12 | 72.02 | 1.81 |
| 047 Prince Georges Co | 003 | G01 | 15 | 27. | 32. | 37. | 42. | 56. | 72. | 91. | 91. | 91. | 48. | 17.31 | 45.72 | 1.40 |
| | 006 | G01 | 15 | 33. | 40. | 47. | 58. | 71. | 105. | 125. | 125. | 125. | 66. | 26.89 | 61.12 | 1.48 |
| | 023 | H01 | 15 | 27. | 29. | 38. | 40. | 42. | 48. | 57. | 57. | 57. | 41. | 7.43 | 40.02 | 1.21 |
| 047 Rockville | 002 | G01 | 11 | 28. | 47. | 51. | 52. | 64. | 90. | 92. | 92. | 92. | 60. | 19.11 | 56.73 | 1.40 |
| 047 Silver Spring | 001 | G01 | 11 | 28. | 37. | 42. | 46. | 59. | 60. | 81. | 81. | 81. | 50. | 14.41 | 48.00 | 1.33 |
| 112 Brunswick | 001 | G05 | 14 | 55. | 64. | 69. | 79. | 95. | 178. | 179. | 179. | 179. | 99. | 43.59 | 91.40 | 1.49 |
| 112 Frederick | 007 | G01 | 14 | 52. | 58. | 71. | 77. | 140. | 201. | 201. | 201. | 201. | 112. | 54.74 | 100.86 | 1.62 |
| 112 Frederick Co | 003 | F02 | 11 | 32. | 34. | 42. | 45. | 60. | 83. | 113. | 113. | 113. | 54. | 24.62 | 50.26 | 1.48 |
| | 007 | F02 | 8 | 34. | 34. | 46. | 52. | 77. | 100. | 100. | 100. | 100. | 64. | 24.67 | 59.49 | 1.48 |
| | 021 | F01 | 16 | 23. | 27. | 35. | 40. | 58. | 70. | 151. | 151. | 151. | 51. | 30.31 | 45.20 | 1.59 |
| | 024 | G01 | 3 | 33. | 33. | 33. | 58. | 65. | 65. | 65. | 65. | 65. | | | | |
| | 025 | G01 | 16 | 15. | 32. | 37. | 42. | 55. | 72. | 82. | 82. | 82. | 47. | 16.99 | 44.29 | 1.50 |
| | 026 | J02 | 14 | 7. | 49. | 65. | 71. | 95. | 121. | 136. | 136. | 136. | 78. | 32.57 | 66.95 | 2.04 |
| 113 Allegany Co | 001 | G01 | 15 | 67. | 84. | 90. | 99. | 108. | 157. | 195. | 195. | 195. | 108. | 32.23 | 103.88 | 1.30 |
| 113 Cumberland | 001 | G01 | 13 | 58. | 58. | 68. | 84. | 86. | 111. | 147. | 147. | 147. | 85. | 24.50 | 82.48 | 1.30 |
| | 005 | F01 | 14 | 47. | 50. | 79. | 86. | 92. | 112. | 118. | 118. | 118. | 83. | 20.99 | 80.65 | 1.32 |
| | 007 | F01 | 15 | 39. | 39. | 44. | 52. | 64. | 78. | 86. | 86. | 86. | 56. | 15.17 | 53.74 | 1.30 |
| | 010 | F01 | 13 | 35. | 41. | 45. | 53. | 65. | 84. | 101. | 101. | 101. | 59. | 19.43 | 55.89 | 1.36 |
| 113 Garrett Co | 001 | F01 | 13 | 38. | 44. | 51. | 58. | 77. | 85. | 90. | 90. | 90. | 62. | 16.78 | 59.88 | 1.31 |
| | 003 | F03 | 13 | 40. | 40. | 42. | 45. | 54. | 61. | 65. | 65. | 65. | 48. | 8.56 | 47.12 | 1.18 |
| 113 Hagerstown | 001 | F01 | 15 | 31. | 35. | 45. | 54. | 61. | 76. | 110. | 110. | 110. | 56. | 19.41 | 53.04 | 1.38 |
| | 002 | F01 | 16 | 43. | 44. | 53. | 62. | 79. | 100. | 118. | 118. | 118. | 68. | 21.42 | 65.31 | 1.35 |
| | 005 | F01 | 15 | 41. | 42. | 50. | 51. | 79. | 107. | 123. | 123. | 123. | 68. | 25.89 | 64.23 | 1.44 |
| 113 Westernport | 003 | F01 | 11 | 81. | 85. | 95. | 119. | 144. | 173. | 215. | 215. | 215. | 128. | 44.03 | 121.38 | 1.40 |
| 114 Cambridge | 001 | F01 | 13 | 21. | 36. | 40. | 48. | 51. | 69. | 70. | 70. | 70. | 48. | 12.95 | 45.72 | 1.36 |
| 114 Elkton | 001 | F01 | 15 | 29. | 40. | 48. | 60. | 65. | 106. | 109. | 109. | 109. | 64. | 24.94 | 59.77 | 1.47 |
| 114 Salisbury | 002 | F01 | 12 | 31. | 48. | 57. | 65. | 80. | 96. | 128. | 128. | 128. | 71. | 25.31 | 66.75 | 1.44 |
| 115 Annapolis | 002 | G01 | 13 | 25. | 43. | 46. | 51. | 65. | 84. | 84. | 84. | 84. | 57. | 18.10 | 54.37 | 1.40 |
| 115 Anne Arundel Co | 001 | G01 | 12 | 39. | 49. | 53. | 56. | 64. | 82. | 159. | 159. | 159. | 68. | 31.33 | 63.20 | 1.43 |
| | 002 | G01 | 13 | 23. | 30. | 36. | 43. | 59. | 75. | 93. | 93. | 93. | 49. | 19.27 | 45.74 | 1.46 |
| | 003 | G01 | 11 | 51. | 56. | 65. | 71. | 97. | 106. | 166. | 166. | 166. | 83. | 33.66 | 78.11 | 1.42 |
| | 006 | G01 | 10 | 31. | 31. | 41. | 53. | 59. | 70. | 99. | 99. | 99. | 55. | 19.94 | 52.03 | 1.42 |
| | 008 | G01 | 11 | 31. | 37. | 39. | 49. | 78. | 109. | 135. | 135. | 135. | 65. | 35.50 | 57.39 | 1.66 |
| 115 Baltimore | 001 | H01 | 31 | 30. | 51. | 75. | 83. | 91. | 119. | 145. | 154. | 154. | 83. | 27.58 | 78.64 | 1.42 |
| | 005 | H01 | 29 | 39. | 74. | 96. | 113. | 134. | 205. | 238. | 243. | 243. | 126. | 48.94 | 117.00 | 1.49 |
| | 006 | H01 | 30 | 15. | 26. | 45. | 52. | 57. | 74. | 79. | 104. | 104. | 52. | 18.78 | 48.66 | 1.49 |
| | 007 | H01 | 30 | 20. | 35. | 52. | 68. | 74. | 88. | 100. | 114. | 114. | 65. | 20.72 | 61.48 | 1.44 |
| | 008 | H01 | 31 | 25. | 51. | 79. | 86. | 114. | 137. | 154. | 183. | 183. | 93. | 34.08 | 86.75 | 1.50 |
| | 009 | H01 | 31 | 28. | 43. | 53. | 69. | 76. | 95. | 121. | 187. | 187. | 70. | 30.46 | 64.43 | 1.48 |
| | 024 | F01 | 19 | 60. | 63. | 94. | 105. | 119. | 196. | 211. | 211. | 211. | 112. | 39.63 | 106.34 | 1.39 |
| | 025 | F01 | 14 | 73. | 85. | 109. | 127. | 184. | 334. | 442. | 442. | 442. | 180. | 104.44 | 157.04 | 1.69 |
| | 026 | J01 | 16 | 58. | 66. | 75. | 87. | 107. | 122. | 157. | 157. | 157. | 91. | 26.02 | 88.07 | 1.31 |
| | 027 | J02 | 16 | 70. | 79. | 104. | 139. | 180. | 236. | 274. | 274. | 274. | 151. | 62.12 | 139.10 | 1.53 |
| | 028 | F01 | 19 | 52. | 55. | 73. | 90. | 109. | 201. | 211. | 211. | 211. | 105. | 48.51 | 95.91 | 1.52 |
| | 029 | F01 | 16 | 56. | 72. | 85. | 97. | 137. | 196. | 207. | 207. | 207. | 116. | 45.43 | 108.68 | 1.46 |
| | 031 | F01 | 16 | 36. | 44. | 58. | 68. | 80. | 113. | 116. | 116. | 116. | 74. | 24.30 | 69.74 | 1.40 |
| | 032 | F01 | 15 | 51. | 58. | 112. | 154. | 175. | 274. | 397. | 397. | 397. | 162. | 92.06 | 139.61 | 1.79 |
| 115 Baltimore Co | 002 | F01 | 14 | 34. | 47. | 49. | 62. | 79. | 95. | 189. | 189. | 189. | 73. | 38.08 | 66.29 | 1.52 |
| | 003 | G01 | 16 | 24. | 27. | 36. | 45. | 54. | 75. | 85. | 85. | 85. | 49. | 17.13 | 45.86 | 1.42 |
| | 004 | G01 | 14 | 16. | 24. | 41. | 43. | 54. | 62. | 116. | 116. | 116. | 48. | 23.38 | 43.48 | 1.58 |
| | 006 | F02 | 15 | 40. | 47. | 54. | 70. | 91. | 120. | 193. | 193. | 193. | 81. | 39.77 | 73.44 | 1.53 |
| | 007 | G01 | 13 | 29. | 30. | 41. | 53. | 66. | 79. | 100. | 100. | 100. | 57. | 20.81 | 53.29 | 1.45 |
| 115 Bel Air | 001 | F01 | 14 | 34. | 34. | 38. | 44. | 58. | 65. | 67. | 67. | 67. | 48. | 12.05 | 46.90 | 1.28 |
| 115 Cockeysville | 006 | G01 | 14 | 28. | 39. | 49. | 63. | 81. | 113. | 116. | 116. | 116. | 69. | 28.44 | 63.90 | 1.54 |
| 115 Dundalk | 001 | F01 | 17 | 43. | 59. | 79. | 98. | 109. | 136. | 171. | 171. | 171. | 98. | 32.91 | 92.23 | 1.43 |
| | 002 | G02 | 16 | 36. | 49. | 61. | 69. | 80. | 108. | 139. | 139. | 139. | 74. | 24.92 | 70.65 | 1.38 |
| | 003 | G02 | 13 | 53. | 57. | 63. | 84. | 113. | 140. | 290. | 290. | 290. | 104. | 62.66 | 92.35 | 1.59 |
| | 004 | J02 | 16 | 56. | 67. | 92. | 110. | 126. | 190. | 217. | 217. | 217. | 117. | 41.80 | 110.22 | 1.41 |
| 115 Edgemere | 001 | G02 | 14 | 41. | 47. | 52. | 59. | 80. | 88. | 146. | 146. | 146. | 70. | 26.84 | 66.08 | 1.40 |
| 115 Essex | 001 | G01 | 15 | 42. | 56. | 70. | 72. | 79. | 83. | 85. | 85. | 85. | 70. | 11.80 | 69.20 | 1.21 |
| 115 Howard Co | 003 | F01 | 15 | 25. | 39. | 46. | 49. | 63. | 87. | 133. | 133. | 133. | 58. | 25.95 | 53.81 | 1.48 |
| 115 Lansdowne-Baltimore Highln | 001 | F01 | 14 | 41. | 55. | 68. | 73. | 93. | 126. | 210. | 210. | 210. | 88. | 41.96 | 80.70 | 1.50 |
| 115 Middle River | 001 | J02 | 16 | 34. | 37. | 48. | 56. | 80. | 117. | 119. | 119. | 119. | 67. | 26.19 | 62.28 | 1.46 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1977 Second Quarter**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MARYLAND — Cont.** | | | | | | | | | | | | | | | | |
| | 002 | G01 | 15 | 23. | 25. | 36. | 42. | 48. | 76. | 89. | 89. | 89. | 45. | 18.66 | 41.99 | 1.49 |
| 115 Riviera Beach | 002 | G01 | 13 | 32. | 46. | 56. | 63. | 69. | 82. | 123. | 123. | 123. | 65. | 21.59 | 61.69 | 1.37 |
| | 003 | J02 | 16 | 42. | 54. | 67. | 78. | 103. | 145. | 146. | 146. | 146. | 89. | 30.80 | 83.74 | 1.42 |
| 115 Towson | 002 | G01 | 16 | 17. | 29. | 42. | 49. | 55. | 88. | 99. | 99. | 99. | 51. | 20.58 | 47.51 | 1.52 |
| 115 Westminster | 002 | F01 | 16 | 25. | 35. | 44. | 50. | 60. | 72. | 77. | 77. | 77. | 51. | 14.05 | 49.51 | 1.34 |
| 116 Calvert Co | 005 | F02 | 16 | 15. | 26. | 43. | 57. | 76. | 108. | 125. | 125. | 125. | 61. | 29.65 | 53.69 | 1.73 |
| 116 Charles Co | 001 | F01 | 8 | 35. | 35. | 41. | 43. | 44. | 82. | 82. | 82. | 82. | 50. | 18.18 | 47.32 | 1.38 |
| | 003 | J02 | 16 | 26. | 35. | 49. | 61. | 72. | 161. | 173. | 173. | 173. | 76. | 43.43 | 66.74 | 1.68 |
| | 004 | J02 | 16 | 17. | 17. | 49. | 52. | 55. | 92. | 152. | 152. | 152. | 58. | 31.91 | 50.74 | 1.73 |
| | 005 | J02 | 16 | 30. | 38. | 65. | 92. | 176. | 376. | 396. | 396. | 396. | 152. | 119.22 | 113.08 | 2.26 |
| 116 St Marys Co | 002 | F01 | 13 | 12. | 40. | 40. | 44. | 53. | 90. | 131. | 131. | 131. | 53. | 28.86 | 47.17 | 1.72 |
| **MASSACHUSETTS** | | | | | | | | | | | | | | | | |
| 042 Chicopee | 001 | F01 | 8 | 35. | 35. | 36. | 58. | 86. | 178. | 178. | 178. | 178. | 76. | 48.19 | 64.93 | 1.80 |
| | 003 | F01 | 1 | 33. | 33. | 33. | 33. | 33. | 33. | 33. | 33. | 33. | | | | |
| 042 Greenfield | 002 | F01 | 1 | 53. | 53. | 53. | 53. | 53. | 53. | 53. | 53. | 53. | | | | |
| 042 Holyoke | 004 | F01 | 10 | 29. | 29. | 39. | 45. | 75. | 103. | 114. | 114. | 114. | 63. | 29.03 | 56.84 | 1.58 |
| 042 Northfield | 001 | F01 | 7 | 21. | 21. | 26. | 28. | 40. | 70. | 70. | 70. | 70. | 36. | 17.83 | 32.96 | 1.57 |
| 042 Springfield | 002 | F01 | 10 | 44. | 44. | 59. | 95. | 106. | 126. | 187. | 187. | 187. | 95. | 41.98 | 87.67 | 1.54 |
| | 003 | F01 | 10 | 38. | 38. | 59. | 62. | 87. | 92. | 154. | 154. | 154. | 78. | 32.46 | 72.24 | 1.48 |
| | 005 | F01 | 9 | 80. | 80. | 130. | 146. | 162. | 262. | 262. | 262. | 262. | 147. | 52.33 | 139.55 | 1.41 |
| 117 North Adams | 002 | F01 | 11 | 30. | 42. | 63. | 71. | 81. | 105. | 197. | 197. | 197. | 79. | 44.02 | 70.40 | 1.62 |
| 117 Pittsfield | 002 | F01 | 10 | 36. | 36. | 52. | 69. | 91. | 113. | 206. | 206. | 206. | 85. | 49.48 | 74.51 | 1.68 |
| | 004 | F01 | 10 | 31. | 31. | 56. | 65. | 78. | 127. | 137. | 137. | 137. | 79. | 33.83 | 72.28 | 1.56 |
| 118 Athol | 001 | F01 | 13 | 31. | 33. | 44. | 54. | 64. | 75. | 124. | 124. | 124. | 58. | 23.68 | 54.72 | 1.43 |
| 118 Fitchburg | 004 | F01 | 14 | 31. | 44. | 60. | 61. | 65. | 97. | 124. | 124. | 124. | 67. | 23.67 | 63.84 | 1.41 |
| | 006 | F01 | 11 | 35. | 37. | 50. | 60. | 69. | 80. | 95. | 95. | 95. | 61. | 18.86 | 57.82 | 1.38 |
| 118 Warren | 001 | F01 | 15 | 19. | 23. | 33. | 40. | 56. | 87. | 95. | 95. | 95. | 48. | 22.21 | 43.48 | 1.59 |
| 118 Worchester | 004 | F01 | 64 | 11. | 34. | 51. | 61. | 73. | 86. | 98. | 125. | 125. | 63. | 22.85 | 58.70 | 1.53 |
| | 008 | F01 | 15 | 23. | 36. | 52. | 57. | 66. | 84. | 133. | 133. | 133. | 61. | 25.22 | 57.04 | 1.49 |
| | 009 | F01 | 13 | 24. | 34. | 48. | 56. | 70. | 108. | 122. | 122. | 122. | 63. | 28.35 | 57.81 | 1.57 |
| | 011 | F01 | 13 | 19. | 30. | 32. | 60. | 66. | 81. | 106. | 106. | 106. | 56. | 24.31 | 50.51 | 1.62 |
| | 012 | F01 | 69 | 13. | 52. | 75. | 90. | 120. | 148. | 164. | 253. | 253. | 99. | 39.45 | 90.61 | 1.57 |
| | 013 | F01 | 13 | 29. | 40. | 48. | 62. | 75. | 81. | 136. | 136. | 136. | 65. | 26.49 | 60.45 | 1.47 |
| 119 Ashland | 001 | F01 | 5 | 26. | 26. | 29. | 41. | 61. | 100. | 100. | 100. | 100. | | | | |
| 119 Boston | 002 | F01 | 13 | 49. | 54. | 62. | 80. | 118. | 166. | 176. | 176. | 176. | 93. | 44.75 | 84.58 | 1.55 |
| | 012 | F01 | 10 | 55. | 55. | 59. | 82. | 92. | 97. | 101. | 101. | 101. | 80. | 17.41 | 77.87 | 1.26 |
| 119 Brookline | 001 | F01 | 10 | 34. | 34. | 36. | 37. | 56. | 68. | 73. | 73. | 73. | 48. | 15.08 | 45.63 | 1.35 |
| 119 Cambridge | 001 | F01 | 15 | 40. | 45. | 52. | 56. | 72. | 120. | 145. | 145. | 145. | 70. | 29.38 | 64.97 | 1.44 |
| | 004 | F01 | 14 | 44. | 47. | 65. | 69. | 72. | 113. | 115. | 115. | 115. | 75. | 22.17 | 71.73 | 1.34 |
| 119 Framingham | 001 | F01 | 15 | 24. | 24. | 34. | 47. | 62. | 67. | 97. | 97. | 97. | 49. | 20.46 | 44.75 | 1.54 |
| 119 Lynn | 001 | F01 | 12 | 31. | 34. | 44. | 55. | 72. | 89. | 97. | 97. | 97. | 59. | 21.58 | 55.46 | 1.46 |
| 119 Medford | 002 | F01 | 13 | 37. | 47. | 56. | 67. | 77. | 89. | 128 | 128. | 128. | 69. | 22.92 | 65.78 | 1.37 |
| | 003 | F01 | 12 | 41. | 47. | 61. | 62. | 87. | 98. | 161. | 161. | 161. | 75. | 31.87 | 70.20 | 1.44 |
| 119 Needham | 003 | F01 | 1 | 49. | 49. | 49. | 49. | 49. | 49. | 49. | 49. | 49. | | | | |
| 119 Norwood | 001 | F01 | 13 | 26. | 29. | 43. | 53. | 70. | 98. | 109. | 109. | 109. | 58. | 24.83 | 53.74 | 1.54 |
| 119 Quincy | 002 | F01 | 12 | 48. | 54. | 81. | 91. | 99. | 114. | 119. | 119. | 119. | 87. | 22.89 | 84.03 | 1.34 |
| | 007 | F01 | 11 | 18. | 35. | 49. | 51. | 62. | 87. | 110. | 110. | 110. | 56. | 25.21 | 51.00 | 1.62 |
| 119 Revere | 002 | F01 | 12 | 29. | 34. | 40. | 40. | 74. | 101. | 107. | 107. | 107. | 59. | 29.12 | 53.00 | 1.61 |
| 119 Waltham | 004 | F01 | 10 | 65. | 65. | 78. | 87. | 92. | 133. | 147. | 147. | 147. | 94. | 26.53 | 90.93 | 1.30 |
| 119 Woburn | 002 | F01 | 12 | 32. | 36. | 47. | 51. | 62. | 94. | 145. | 145. | 145. | 61. | 30.97 | 56.23 | 1.51 |
| 120 Attleboro | 002 | F01 | 16 | 21. | 34. | 41. | 50. | 64. | 68. | 103. | 103. | 103. | 54. | 18.90 | 51.32 | 1.44 |
| 120 Brockton | 003 | F01 | 12 | 20. | 28. | 45. | 53. | 60. | 63. | 107. | 107. | 107. | 53. | 22.01 | 48.61 | 1.55 |
| 120 Fall River | 001 | F01 | 15 | 36. | 47. | 52. | 67. | 77. | 126. | 143. | 143. | 143. | 72. | 29.65 | 67.25 | 1.46 |
| 120 New Bedford | 002 | F01 | 16 | 22. | 25. | 28. | 32. | 53. | 65. | 85. | 85. | 85. | 42. | 17.68 | 38.98 | 1.49 |
| 120 Taunton | 001 | F01 | 15 | 26. | 30. | 36. | 54. | 58. | 87. | 94. | 94. | 94. | 54. | 22.05 | 50.19 | 1.51 |
| 121 Haverhill | 001 | F01 | 11 | 29. | 31. | 40. | 51. | 58. | 61. | 71. | 71. | 71. | 49. | 13.12 | 46.94 | 1.33 |
| 121 Lawrence | 003 | F01 | 15 | 29. | 31. | 52. | 63. | 75. | 124. | 127. | 127. | 127. | 67. | 28.46 | 61.55 | 1.52 |
| 121 Lowell | 001 | F01 | 14 | 23. | 28. | 56. | 58. | 74. | 112. | 135. | 135. | 135. | 68. | 30.01 | 62.09 | 1.61 |
| | 003 | F01 | 14 | 28. | 38. | 56. | 67. | 74. | 111. | 115. | 115. | 115. | 67. | 24.45 | 63.10 | 1.46 |
| **MINNESOTA** | | | | | | | | | | | | | | | | |
| 127 St Cloud | 017 | H01 | 16 | 22. | 27. | 49. | 53. | 72. | 124. | 125. | 125. | 125. | 64. | 30.87 | 57.47 | 1.63 |
| | 021 | H01 | 15 | 42. | 45. | 53. | 58. | 82. | 154. | 188. | 188. | 188. | 77. | 41.30 | 69.68 | 1.54 |
| | 023 | H01 | 15 | 21. | 22. | 46. | 54. | 64. | 81. | 142. | 142. | 142. | 57. | 29.03 | 51.07 | 1.63 |
| 127 Stearns Co | 001 | H01 | 15 | 15. | 24. | 37. | 42. | 60. | 118. | 121. | 121. | 121. | 54. | 30.98 | 47.35 | 1.74 |

# PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours
### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **MINNESOTA — Cont.** | | | | | | | | | | | | | | | | |
| | 005 | H01 | 15 | 25. | 28. | 48. | 58. | 67. | 105. | 138. | 138. | 138. | 62. | 28.72 | 56.26 | 1.56 |
| | 006 | H01 | 16 | 24. | 26. | 51. | 58. | 77. | 131. | 142. | 142. | 142. | 67. | 34.22 | 59.22 | 1.69 |
| | 007 | H01 | 13 | 40. | 47. | 49. | 62. | 88. | 129. | 142. | 142. | 142. | 76. | 34.73 | 69.91 | 1.53 |
| 128 Red Wing | 003 | F01 | 16 | 39. | 42. | 52. | 81. | 105. | 204. | 217. | 217. | 217. | 93. | 54.12 | 81.07 | 1.71 |
| 128 Rochester | 001 | G01 | 55 | 32. | 38. | 66. | 84. | 119. | 158. | 181. | 250. | 250. | 94. | 47.78 | 82.84 | 1.67 |
| | 010 | G01 | 15 | 18. | 31. | 39. | 60. | 70. | 115. | 116. | 116. | 116. | 62. | 30.21 | 54.79 | 1.70 |
| | 014 | G01 | 15 | 30. | 34. | 47. | 60. | 84. | 118. | 132. | 132. | 132. | 67. | 31.13 | 60.84 | 1.58 |
| | 015 | G01 | 15 | 36. | 40. | 61. | 95. | 117. | 151. | 250. | 250. | 250. | 99. | 54.29 | 87.44 | 1.69 |
| | 016 | G01 | 16 | 26. | 33. | 43. | 54. | 76. | 123. | 132. | 132. | 132. | 65. | 33.52 | 57.60 | 1.63 |
| 128 Winona | 009 | F01 | 13 | 43. | 45. | 47. | 59. | 77. | 110. | 122. | 122. | 122. | 68. | 27.83 | 63.66 | 1.44 |
| 129 Cloquet | 011 | F01 | 15 | 25. | 25. | 36. | 39. | 46. | 61. | 97. | 97. | 97. | 44. | 17.89 | 41.10 | 1.42 |
| 129 Duluth | 002 | G01 | 32 | 19. | 28. | 36. | 51. | 78. | 113. | 155. | 179. | 179. | 66. | 39.65 | 55.87 | 1.80 |
| | 003 | G01 | 31 | 22. | 28. | 42. | 52. | 74. | 104. | 105. | 108. | 108. | 60. | 28.25 | 54.08 | 1.62 |
| | 005 | G01 | 15 | 39. | 45. | 59. | 61. | 91. | 125. | 200. | 200. | 200. | 80. | 40.66 | 73.26 | 1.53 |
| | 006 | G01 | 16 | 31. | 32. | 38. | 51. | 66. | 104. | 126. | 126. | 126. | 59. | 28.91 | 53.42 | 1.57 |
| | 013 | G01 | 16 | 31. | 31. | 47. | 51. | 71. | 115. | 144. | 144. | 144. | 65. | 32.31 | 58.49 | 1.59 |
| | 017 | G01 | 64 | 29. | 45. | 64. | 74. | 87. | 133. | 160. | 180. | 180. | 82. | 33.61 | 75.74 | 1.48 |
| | 019 | G01 | 16 | 36. | 48. | 66. | 90. | 109. | 168. | 203. | 203. | 203. | 98. | 46.54 | 88.42 | 1.61 |
| | 020 | G05 | 25 | 15. | 26. | 29. | 36. | 51. | 74. | 87. | 90. | 90. | 44. | 20.31 | 39.55 | 1.57 |
| | 021 | G05 | 25 | 3. | 29. | 37. | 44. | 71. | 107. | 117. | 138. | 138. | 57. | 32.65 | 46.69 | 2.12 |
| 129 Ely | 002 | F01 | 14 | 15. | 18. | 28. | 32. | 50. | 73. | 84. | 84. | 84. | 41. | 21.05 | 36.09 | 1.70 |
| 129 Hibbing | 001 | G01 | 16 | 19. | 21. | 30. | 58. | 78. | 125. | 279. | 279. | 279. | 71. | 62.66 | 54.73 | 2.03 |
| 129 Hoyt Lakes | 004 | F01 | 11 | 26. | 26. | 59. | 65. | 109. | 178. | 191. | 191. | 191. | 87. | 55.81 | 71.85 | 1.94 |
| | 005 | F01 | 16 | 11. | 13. | 17. | 24. | 33. | 48. | 69. | 69. | 69. | 28. | 15.58 | 24.35 | 1.68 |
| 129 International Falls | 002 | F01 | 29 | 51. | 88. | 103. | 161. | 187. | 313. | 362. | 566. | 566. | 172. | 103.47 | 150.60 | 1.67 |
| | 007 | F01 | 29 | 37. | 48. | 60. | 89. | 122. | 148. | 151. | 354. | 354. | 100. | 61.21 | 87.33 | 1.65 |
| 129 Lake Co | 002 | F01 | 15 | 4. | 10. | 14. | 17. | 20. | 32. | 61. | 61. | 61. | 20. | 13.39 | 16.70 | 1.85 |
| | 004 | F01 | 11 | 10. | 12. | 14. | 16. | 27. | 56. | 57. | 57. | 57. | 26. | 17.41 | 21.19 | 1.86 |
| | 005 | F01 | 16 | 8. | 8. | 12. | 18. | 31. | 56. | 66. | 66. | 66. | 26. | 18.38 | 20.33 | 1.99 |
| 129 St Louis Co | 001 | G01 | 16 | 22. | 24. | 44. | 68. | 81. | 105. | 128. | 128. | 128. | 65. | 30.02 | 57.32 | 1.71 |
| | 003 | G01 | 16 | 13. | 15. | 19. | 22. | 28. | 71. | 73. | 73. | 73. | 30. | 18.99 | 26.04 | 1.69 |
| | 008 | G01 | 14 | 15. | 16. | 38. | 55. | 66. | 93. | 118. | 118. | 118. | 55. | 29.80 | 46.14 | 1.89 |
| 129 Virginia | 001 | G01 | 16 | 20. | 22. | 50. | 74. | 98. | 167. | 211. | 211. | 211. | 84. | 51.90 | 69.32 | 1.96 |
| 130 Moorhead | 005 | F01 | 9 | 20. | 20. | 45. | 61. | 83. | 107. | 107. | 107. | 107. | 64. | 26.61 | 57.77 | 1.65 |
| 131 Dakota Co | 020 | F02 | 15 | 31. | 33. | 44. | 58. | 76. | 108. | 118. | 118. | 118. | 64. | 27.31 | 58.96 | 1.52 |
| 131 Hastings | 005 | F01 | 15 | 28. | 36. | 42. | 62. | 79. | 133. | 156. | 156. | 156. | 70. | 37.64 | 61.66 | 1.66 |
| 131 Minneapolis | 005 | H01 | 13 | 30. | 33. | 48. | 51. | 61. | 120. | 126. | 126. | 126. | 62. | 30.25 | 56.17 | 1.54 |
| | 007 | H01 | 15 | 30. | 32. | 38. | 63. | 69. | 130. | 150. | 150. | 150. | 66. | 35.10 | 59.08 | 1.64 |
| | 014 | H01 | 16 | 42. | 43. | 58. | 74. | 92. | 143. | 157. | 157. | 157. | 80. | 33.87 | 73.62 | 1.50 |
| | 022 | H01 | 15 | 38. | 39. | 49. | 69. | 77. | 126. | 130. | 130. | 130. | 70. | 27.78 | 65.63 | 1.46 |
| | 027 | F01 | 13 | 47. | 48. | 74. | 97. | 110. | 159. | 191. | 191. | 191. | 102. | 42.70 | 94.03 | 1.53 |
| | 037 | F01 | 41 | 25. | 52. | 68. | 82. | 92. | 125. | 136. | 183. | 183. | 86. | 34.83 | 79.31 | 1.55 |
| 131 St Louis Park | 006 | F01 | 15 | 18. | 28. | 55. | 71. | 100. | 115. | 144. | 144. | 144. | 75. | 35.51 | 65.55 | 1.77 |
| 131 St Paul | 003 | H01 | 16 | 49. | 51. | 72. | 92. | 118. | 143. | 174. | 174. | 174. | 96. | 35.26 | 90.47 | 1.45 |
| | 014 | H01 | 15 | 37. | 41. | 45. | 64. | 81. | 118. | 155. | 155. | 155. | 71. | 32.91 | 65.28 | 1.52 |
| | 018 | H01 | 16 | 48. | 51. | 59. | 68. | 121. | 218. | 303. | 303. | 303. | 105. | 73.04 | 88.58 | 1.78 |
| | 021 | H01 | 14 | 42. | 42. | 53. | 66. | 81. | 124. | 159. | 159. | 159. | 78. | 34.83 | 71.50 | 1.52 |
| | 024 | H01 | 16 | 30. | 35. | 41. | 47. | 69. | 117. | 151. | 151. | 151. | 63. | 32.91 | 56.44 | 1.57 |
| | 030 | H01 | 16 | 43. | 48. | 55. | 74. | 105. | 138. | 185. | 185. | 185. | 86. | 38.99 | 78.43 | 1.53 |
| | 031 | H01 | 34 | 26. | 48. | 68. | 86. | 121. | 153. | 159. | 203. | 203. | 96. | 41.03 | 87.01 | 1.59 |
| 131 St Paul Park | 006 | F02 | 16 | 37. | 37. | 50. | 69. | 83. | 127. | 149. | 149. | 149. | 74. | 32.87 | 68.12 | 1.53 |
| 132 Bemidji | 002 | F01 | 5 | 12. | 12. | 27. | 48. | 66. | 160. | 160. | 160. | 160. | | | | |
| 132 Brainerd | 001 | F01 | 11 | 22. | 22. | 35. | 39. | 60. | 102. | 117. | 117. | 117. | 53. | 31.49 | 46.12 | 1.75 |
| 132 East Grand Forks | 003 | F01 | 14 | 45. | 50. | 58. | 104. | 116. | 185. | 213. | 213. | 213. | 103. | 50.78 | 91.98 | 1.65 |
| 132 Fergus Falls | 001 | F01 | 15 | 31. | 34. | 50. | 68. | 86. | 106. | 193. | 193. | 193. | 74. | 41.09 | 65.52 | 1.65 |
| 133 Worthington | 001 | F01 | 13 | 33. | 56. | 61. | 84. | 102. | 143. | 147. | 147. | 147. | 86. | 32.98 | 79.83 | 1.50 |
| **MISSISSIPPI** | | | | | | | | | | | | | | | | |
| 005 Biloxi | 003 | F01 | 15 | 23. | 24. | 34. | 37. | 43. | 57. | 59. | 59. | 59. | 39. | 11.37 | 37.66 | 1.34 |
| 005 Brookhaven | 001 | F01 | 14 | 39. | 39. | 49. | 64. | 71. | 98. | 108. | 108. | 108. | 65. | 22.32 | 61.77 | 1.41 |
| 005 Gulfport | 002 | F01 | 13 | 34. | 39. | 41. | 58. | 66. | 92. | 92. | 92. | 92. | 59. | 19.46 | 55.66 | 1.39 |
| | 003 | F02 | 9 | 32. | 32. | 64. | 67. | 77. | 94. | 94. | 94. | 94. | 66. | 17.38 | 63.80 | 1.36 |
| 005 Hattiesburg | 002 | F01 | 15 | 35. | 43. | 47. | 66. | 73. | 109. | 123. | 123. | 123. | 67. | 25.12 | 63.33 | 1.43 |
| 005 Jackson | 003 | F01 | 14 | 38. | 45. | 53. | 57. | 98. | 111. | 111. | 111. | 111. | 73. | 26.97 | 68.76 | 1.46 |
| | 007 | F01 | 15 | 37. | 38. | 44. | 58. | 94. | 104. | 106. | 106. | 106. | 67. | 26.71 | 61.81 | 1.50 |
| | 008 | F01 | 14 | 40. | 42. | 58. | 69. | 109. | 133. | 145. | 145. | 145. | 84. | 37.18 | 76.45 | 1.59 |
| 005 Jackson Co | 002 | F01 | 15 | 40. | 41. | 48. | 54. | 67. | 74. | 155. | 155. | 155. | 61. | 28.21 | 57.07 | 1.41 |
| 005 Lamar Co | 001 | F01 | 14 | 30. | 34. | 39. | 46. | 64. | 77. | 79. | 79. | 79. | 52. | 16.30 | 49.79 | 1.37 |

# PARTICULATE, micrograms per cubic meter (25 C)
# HI-VOL GRAVIMETRIC, 24 hours

## 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **MISSISSIPPI — Cont.** | | | | | | | | | | | | | | | | |
| 005 Laurel | 002 | F01 | 7 | 58. | 58. | 73. | 76. | 80. | 142. | 142. | 142. | 142. | 90. | 31.84 | 85.60 | 1.39 |
| | 003 | F01 | 15 | 18. | 28. | 38. | 46. | 52. | 64. | 76. | 76. | 76. | 46. | 15.26 | 43.58 | 1.44 |
| 005 Mc Comb | 001 | F01 | 14 | 30. | 31. | 35. | 42. | 45. | 62. | 63. | 63. | 63. | 44. | 11.75 | 42.53 | 1.30 |
| 005 Meridian | 002 | F01 | 12 | 42. | 48. | 50. | 53. | 65. | 81. | 81. | 81. | 81. | 60. | 12.99 | 58.34 | 1.24 |
| 005 Moss Point | 001 | F01 | 15 | 23. | 34. | 42. | 52. | 60. | 72. | 74. | 74. | 74. | 51. | 13.89 | 49.09 | 1.36 |
| 005 Natchez | 004 | F01 | 15 | 32. | 45. | 55. | 67. | 75. | 93. | 94. | 94. | 94. | 66. | 17.58 | 63.74 | 1.34 |
| 005 Oxford | 002 | F01 | 14 | 42. | 42. | 52. | 58. | 68. | 103. | 143. | 143. | 143. | 67. | 27.23 | 62.61 | 1.41 |
| 005 Pascagoula | 003 | F01 | 11 | 21. | 38. | 51. | 56. | 72. | 76. | 80. | 80. | 80. | 56. | 18.71 | 52.63 | 1.49 |
| | 004 | F01 | 14 | 37. | 45. | 58. | 63. | 72. | 83. | 90. | 90. | 90. | 64. | 16.40 | 62.37 | 1.31 |
| 005 Vicksburg | 003 | F01 | 14 | 12. | 37. | 42. | 49. | 65. | 85. | 98. | 98. | 98. | 55. | 21.83 | 49.74 | 1.66 |
| 018 De Soto Co | 002 | F01 | 15 | 26. | 52. | 59. | 81. | 97. | 111. | 205. | 205. | 205. | 83. | 41.82 | 75.03 | 1.61 |
| 134 Clarksdale | 001 | F01 | 15 | 56. | 62. | 77. | 85. | 129. | 158. | 257. | 257. | 257. | 108. | 51.94 | 98.69 | 1.52 |
| 134 Greenville | 002 | F01 | 15 | 44. | 57. | 65. | 89. | 155. | 191. | 350. | 350. | 350. | 121. | 79.34 | 102.65 | 1.77 |
| 134 Greenwood | 001 | F01 | 14 | 55. | 56. | 68. | 73. | 111. | 174. | 225. | 225. | 225. | 101. | 50.94 | 91.11 | 1.56 |
| 135 Columbus | 001 | F01 | 8 | 37. | 37. | 56. | 58. | 84. | 120. | 120. | 120. | 120. | 74. | 30.51 | 68.05 | 1.53 |
| 135 Corinth | 003 | F01 | 11 | 30. | 42. | 60. | 69. | 82. | 88. | 124. | 124. | 124. | 71. | 25.50 | 66.23 | 1.48 |
| 135 Kosciusko | 001 | F01 | 14 | 37. | 41. | 48. | 76. | 82. | 104. | 111. | 111. | 111. | 70. | 24.85 | 65.41 | 1.46 |
| 135 Ripley | 001 | F01 | 9 | 49. | 49. | 68. | 79. | 121. | 141. | 141. | 141. | 141. | 89. | 31.51 | 84.55 | 1.42 |
| 135 Tupelo | 002 | F01 | 14 | 44. | 47. | 58. | 77. | 109. | 133. | 138. | 138. | 138. | 84. | 32.91 | 77.94 | 1.50 |
| **MISSOURI** | | | | | | | | | | | | | | | | |
| 070 Afton | 001 | G01 | 15 | 37. | 47. | 55. | 61. | 89. | 97. | 133. | 133. | 133. | 71. | 25.86 | 67.07 | 1.42 |
| 070 Bellefontaine Neighbors | 001 | G01 | 9 | 40. | 40. | 48. | 56. | 116. | 223. | 223. | 223. | 223. | 86. | 59.75 | 72.57 | 1.78 |
| 070 Berkeley | 001 | G01 | 13 | 31. | 42. | 45. | 69. | 93. | 116. | 124. | 124. | 124. | 71. | 29.49 | 65.25 | 1.53 |
| 070 Clayton | 002 | G01 | 13 | 38. | 38. | 43. | 59. | 74. | 105. | 109. | 109. | 109. | 65. | 24.63 | 61.04 | 1.45 |
| 070 Ferguson | 001 | G01 | 14 | 29. | 37. | 51. | 57. | 79. | 84. | 106. | 106. | 106. | 63. | 20.99 | 59.30 | 1.42 |
| 070 Jefferson Co | 005 | F02 | 13 | 30. | 38. | 54. | 71. | 87. | 118. | 131. | 131. | 131. | 73. | 31.28 | 67.08 | 1.57 |
| 070 Lemay | 002 | G01 | 13 | 43. | 44. | 56. | 59. | 89. | 127. | 137. | 137. | 137. | 74. | 30.85 | 68.81 | 1.47 |
| 070 St Ann | 001 | G01 | 13 | 30. | 49. | 52. | 69. | 85. | 97. | 167. | 167. | 167. | 75. | 33.36 | 68.90 | 1.51 |
| 070 St Charles | 002 | F01 | 15 | 33. | 37. | 54. | 65. | 76. | 88. | 122. | 122. | 122. | 66. | 22.45 | 63.00 | 1.40 |
| 070 St Louis | 001 | P01 | 14 | 42. | 54. | 66. | 75. | 96. | 130. | 160. | 160. | 160. | 87. | 32.22 | 82.07 | 1.44 |
| | 006 | H01 | 29 | 43. | 55. | 77. | 82. | 110. | 154. | 155. | 161. | 161. | 95. | 34.78 | 89.13 | 1.44 |
| | 007 | H01 | 24 | 51. | 63. | 94. | 108. | 144. | 194. | 225. | 283. | 283. | 123. | 55.02 | 112.80 | 1.54 |
| | 010 | H01 | 16 | 43. | 52. | 56. | 64. | 93. | 121. | 122. | 122. | 122. | 77. | 26.86 | 73.13 | 1.41 |
| | 015 | H01 | 14 | 47. | 58. | 66. | 68. | 110. | 133. | 174. | 174. | 174. | 90. | 35.75 | 84.46 | 1.46 |
| | 025 | H01 | 14 | 47. | 49. | 64. | 69. | 77. | 127. | 130. | 130. | 130. | 78. | 25.84 | 74.89 | 1.36 |
| | 032 | H01 | 14 | 47. | 50. | 63. | 67. | 88. | 119. | 128. | 128. | 128. | 78. | 25.60 | 74.77 | 1.37 |
| | 061 | H01 | 16 | 60. | 62. | 86. | 111. | 129. | 164. | 166. | 166. | 166. | 111. | 32.67 | 105.90 | 1.37 |
| | 062 | H01 | 13 | 29. | 62. | 74. | 88. | 111. | 147. | 210. | 210. | 210. | 97. | 45.00 | 87.95 | 1.61 |
| | 063 | H01 | 14 | 50. | 57. | 61. | 92. | 114. | 159. | 188. | 188. | 188. | 101. | 42.86 | 92.68 | 1.53 |
| | 072 | P01 | 11 | 43. | 67. | 72. | 89. | 117. | 150. | 180. | 180. | 180. | 99. | 40.99 | 91.42 | 1.51 |
| | 073 | H05 | 25 | 63. | 75. | 122. | 149. | 203. | 235. | 247. | 307. | 307. | 159. | 61.61 | 147.11 | 1.51 |
| | 075 | H05 | 28 | 44. | 56. | 110. | 141. | 174. | 254. | 266. | 319. | 319. | 149. | 69.08 | 132.83 | 1.66 |
| | 076 | H05 | 19 | 69. | 90. | 115. | 145. | 182. | 284. | 374. | 374. | 374. | 161. | 75.80 | 147.38 | 1.54 |
| | 077 | F05 | 15 | 56. | 59. | 71. | 92. | 121. | 166. | 199. | 199. | 199. | 102. | 42.13 | 95.23 | 1.48 |
| 070 St Louis Co | 001 | H01 | 15 | 45. | 52. | 78. | 111. | 139. | 220. | 302. | 302. | 302. | 119. | 68.98 | 103.49 | 1.72 |
| | 006 | G01 | 10 | 24. | 24. | 53. | 85. | 96. | 191. | 211. | 211. | 211. | 101. | 66.07 | 81.73 | 2.04 |
| | 011 | F05 | 16 | 38. | 50. | 56. | 81. | 96. | 108. | 160. | 160. | 160. | 83. | 30.22 | 78.08 | 1.45 |
| | 012 | G01 | 14 | 21. | 26. | 32. | 41. | 49. | 78. | 90. | 90. | 90. | 46. | 20.94 | 42.50 | 1.55 |
| 094 Clay Co | 001 | H01 | 11 | 45. | 53. | 72. | 80. | 87. | 115. | 177. | 177. | 177. | 87. | 36.69 | 80.97 | 1.46 |
| 094 Grandview | 001 | H01 | 11 | 33. | 38. | 44. | 68. | 102. | 142. | 164. | 164. | 164. | 84. | 46.70 | 72.61 | 1.78 |
| 094 Independence | 001 | H01 | 14 | 49. | 55. | 69. | 78. | 83. | 99. | 107. | 107. | 107. | 77. | 17.48 | 74.67 | 1.27 |
| | 004 | H01 | 12 | 38. | 40. | 51. | 62. | 78. | 119. | 148. | 148. | 148. | 74. | 35.33 | 67.51 | 1.55 |
| 094 Kansas City | 002 | H01 | 15 | 50. | 62. | 81. | 95. | 110. | 123. | 200. | 200. | 200. | 98. | 35.38 | 93.09 | 1.40 |
| | 003 | H01 | 14 | 37. | 44. | 64. | 70. | 73. | 107. | 116. | 116. | 116. | 71. | 22.62 | 67.41 | 1.38 |
| | 004 | H01 | 10 | 63. | 63. | 78. | 86. | 108. | 157. | 193. | 193. | 193. | 103. | 41.98 | 96.96 | 1.44 |
| | 005 | H01 | 16 | 67. | 74. | 85. | 99. | 141. | 172. | 174. | 174. | 174. | 116. | 38.11 | 109.91 | 1.39 |
| | 006 | H01 | 15 | 48. | 48. | 80. | 83. | 109. | 147. | 167. | 167. | 167. | 93. | 34.89 | 86.83 | 1.46 |
| | 010 | H01 | 15 | 50. | 52. | 60. | 84. | 100. | 108. | 109. | 109. | 109. | 81. | 21.61 | 77.99 | 1.33 |
| | 015 | H01 | 15 | 30. | 57. | 68. | 81. | 108. | 115. | 127. | 127. | 127. | 87. | 26.91 | 82.02 | 1.45 |
| | 018 | H01 | 12 | 32. | 42. | 61. | 77. | 98. | 131. | 139. | 139. | 139. | 82. | 33.80 | 75.49 | 1.57 |
| | 023 | H01 | 7 | 23. | 23. | 60. | 64. | 67. | 87. | 87. | 87. | 87. | 59. | 23.17 | 53.58 | 1.63 |
| 094 North Kansas City | 004 | F01 | 12 | 37. | 41. | 77. | 88. | 92. | 100. | 146. | 146. | 146. | 83. | 28.99 | 78.12 | 1.47 |
| 094 Platte Co | 001 | F01 | 16 | 38. | 39. | 60. | 79. | 107. | 144. | 147. | 147. | 147. | 88. | 38.01 | 80.37 | 1.58 |
| 094 Raytown | 002 | F01 | 3 | 40. | 40. | 40. | 40. | 61. | 61. | 61. | 61. | 61. | | | | |
| 094 St Joseph | 002 | F01 | 14 | 65. | 67. | 86. | 89. | 103. | 144. | 144. | 144. | 144. | 99. | 26.85 | 95.77 | 1.30 |
| | 003 | F01 | 14 | 67. | 69. | 77. | 93. | 104. | 131. | 135. | 135. | 135. | 95. | 23.89 | 92.13 | 1.28 |
| | 004 | F05 | 15 | 32. | 44. | 60. | 90. | 96. | 148. | 160. | 160. | 160. | 88. | 36.03 | 81.27 | 1.56 |

# PARTICULATE, micrograms per cubic meter (25 C)
# HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **MISSOURI — Cont.** | | | | | | | | | | | | | | | | |
| 137 Chillicothe | 001 | F01 | 14 | 38. | 48. | 56. | 68. | 77. | 97. | 105. | 105. | 105. | 71. | 20.37 | 68.25 | 1.35 |
| 137 Columbia | 002 | F01 | 13 | 44. | 48. | 67. | 74. | 92. | 113. | 225. | 225. | 225. | 87. | 45.83 | 79.30 | 1.51 |
| 137 Hannibal | 002 | F01 | 9 | 46. | 46. | 70. | 89. | 93. | 119. | 119. | 119. | 119. | 85. | 23.57 | 82.19 | 1.34 |
| 137 Kirksville | 001 | F01 | 3 | 53. | 53. | 53. | 97. | 134. | 134. | 134. | 134. | 134. | | | | |
| 137 Maryville | 001 | F01 | 15 | 20. | 47. | 56. | 85. | 107. | 171. | 360. | 360. | 360. | 102. | 80.93 | 82.42 | 1.93 |
| 137 Mexico | 004 | F02 | 16 | 48. | 75. | 82. | 90. | 111. | 161. | 166. | 166. | 166. | 104. | 33.75 | 99.43 | 1.39 |
| 138 Cape Girardeau | 002 | F01 | 10 | 24. | 24. | 45. | 64. | 86. | 103. | 124. | 124. | 124. | 71. | 30.90 | 64.67 | 1.64 |
| 138 New Madrid | 001 | F02 | 10 | 60. | 60. | 69. | 127. | 163. | 211. | 339. | 339. | 339. | 148. | 84.01 | 129.18 | 1.75 |
| 138 Poplar Bluff | 003 | F01 | 16 | 28. | 41. | 57. | 64. | 84. | 126. | 146. | 146. | 146. | 74. | 31.84 | 68.27 | 1.53 |
| 138 Ste Genevieve | 002 | F01 | 3 | 44. | 44. | 44. | 54. | 57. | 57. | 57. | 57. | 57. | | | | |
| 139 Nevada | 001 | F01 | 13 | 36. | 38. | 57. | 74. | 93. | 109. | 121. | 121. | 121. | 75. | 25.82 | 70.50 | 1.45 |
| 139 Sedalia | 006 | F01 | 13 | 26. | 29. | 40. | 51. | 57. | 65. | 77. | 77. | 77. | 50. | 14.76 | 47.49 | 1.37 |
| 139 Shannon Co | 002 | P03 | 10 | 21. | 21. | 27. | 29. | 30. | 50. | 52. | 52. | 52. | 33. | 10.24 | 31.46 | 1.33 |
| 139 Springfield | 005 | H01 | 15 | 33. | 40. | 46. | 50. | 56. | 79. | 111. | 111. | 111. | 55. | 19.18 | 52.70 | 1.35 |
| | 007 | H01 | 16 | 41. | 43. | 57. | 70. | 84. | 102. | 152. | 152. | 152. | 74. | 27.62 | 69.52 | 1.41 |
| | 012 | H01 | 15 | 29. | 37. | 50. | 59. | 64. | 81. | 137. | 137. | 137. | 61. | 25.64 | 57.16 | 1.45 |
| | 015 | H01 | 15 | 18. | 37. | 44. | 54. | 70. | 91. | 102. | 102. | 102. | 60. | 22.83 | 55.00 | 1.55 |
| | 016 | H01 | 15 | 37. | 45. | 60. | 73. | 77. | 114. | 157. | 157. | 157. | 77. | 31.09 | 71.51 | 1.46 |
| | 018 | H01 | 16 | 27. | 35. | 57. | 63. | 80. | 116. | 179. | 179. | 179. | 74. | 38.05 | 66.31 | 1.62 |
| | 019 | H01 | 15 | 39. | 42. | 58. | 62. | 71. | 104. | 191. | 191. | 191. | 73. | 37.85 | 67.09 | 1.51 |
| | 023 | H01 | 15 | 23. | 28. | 38. | 44. | 51. | 70. | 79. | 79. | 79. | 46. | 15.13 | 43.28 | 1.40 |
| | 024 | H01 | 8 | 44. | 44. | 81. | 95. | 113. | 127. | 127. | 127. | 127. | 92. | 29.04 | 87.06 | 1.45 |
| **MONTANA** | | | | | | | | | | | | | | | | |
| 140 Big Horn Co | 009 | F03 | 14 | 9. | 13. | 22. | 40. | 45. | 95. | 122. | 122. | 122. | 45. | 32.43 | 35.19 | 2.13 |
| | 010 | F03 | 13 | 6. | 10. | 16. | 25. | 40. | 46. | 51. | 51. | 51. | 26. | 14.28 | 22.08 | 1.88 |
| 140 Billings | 006 | G02 | 16 | 17. | 19. | 30. | 48. | 59. | 91. | 137. | 137. | 137. | 53. | 31.13 | 45.46 | 1.76 |
| | 007 | G01 | 16 | 16. | 23. | 31. | 40. | 50. | 83. | 163. | 163. | 163. | 49. | 35.12 | 41.25 | 1.75 |
| | 008 | G01 | 16 | 26. | 34. | 50. | 53. | 71. | 97. | 165. | 165. | 165. | 65. | 33.05 | 59.38 | 1.56 |
| | 009 | G01 | 16 | 36. | 40. | 50. | 56. | 82. | 135. | 155. | 155. | 155. | 71. | 34.27 | 64.64 | 1.53 |
| 140 Laurel | 001 | G02 | 14 | 10. | 14. | 34. | 40. | 54. | 60. | 150. | 150. | 150. | 47. | 33.61 | 38.62 | 1.94 |
| 141 Glacier Nat Park | 001 | P03 | 3 | 8. | 8. | 8. | 13. | 14. | 14. | 14. | 14. | 14. | | | | |
| 141 Great Falls | 009 | G01 | 23 | 8. | 37. | 48. | 54. | 68. | 104. | 152. | 177. | 177. | 65. | 37.04 | 55.55 | 1.85 |
| 142 Deer Lodge Co | 004 | F02 | 15 | 11. | 15. | 41. | 52. | 58. | 78. | 97. | 97. | 97. | 49. | 23.41 | 42.64 | 1.86 |
| 142 Granite Co | 005 | F02 | 9 | 9. | 9. | 15. | 42. | 60. | 73. | 73. | 73. | 73. | 42. | 24.66 | 33.32 | 2.20 |
| 142 Helena | 001 | P01 | 2 | 39. | 39. | 39. | 39. | 109. | 109. | 109. | 109. | 109. | | | | |
| 142 Jefferson Co | 903 | F02 | 15 | 16. | 16. | 27. | 28. | 39. | 50. | 103. | 103. | 103. | 35. | 21.33 | 30.98 | 1.61 |
| 142 Lewis And Clark Co | 002 | F02 | 13 | 22. | 28. | 44. | 55. | 97. | 122. | 133. | 133. | 133. | 71. | 35.96 | 62.05 | 1.75 |
| 143 Carter Co | 002 | F03 | 7 | 18. | 18. | 61. | 74. | 78. | 535. | 535. | 535. | 535. | 131. | 179.65 | 78.52 | 2.72 |
| 143 Custer Co | 004 | F03 | 6 | 1. | 1. | 9. | 14. | 16. | 38. | 38. | 38. | 38. | 15. | 12.36 | 10.12 | 3.41 |
| 143 Daniels Co | 001 | F03 | 16 | 4. | 17. | 26. | 37. | 58. | 84. | 107. | 107. | 107. | 46. | 28.94 | 36.62 | 2.24 |
| | 002 | F03 | 12 | 4. | 8. | 15. | 21. | 35. | 67. | 100. | 100. | 100. | 32. | 27.76 | 23.05 | 2.48 |
| | 003 | F03 | 16 | 8. | 20. | 30. | 44. | 61. | 82. | 109. | 109. | 109. | 49. | 26.73 | 41.04 | 1.92 |
| 143 Dawson Co | 001 | F03 | 9 | 10. | 10. | 15. | 29. | 38. | 51. | 51. | 51. | 51. | 28. | 14.73 | 24.16 | 1.83 |
| | 002 | F03 | 8 | 4. | 4. | 23. | 26. | 38. | 156. | 156. | 156. | 156. | 42. | 48.00 | 26.41 | 2.91 |
| | 003 | F03 | 4 | 5. | 5. | 17. | 17. | 29. | 53. | 53. | 53. | 53. | | | | |
| 143 Mc Cone Co | 001 | F03 | 4 | 37. | 37. | 72. | 72. | 75. | 88. | 88. | 88. | 88. | | | | |
| 143 Powder River Co | 009 | F03 | 16 | 8. | 10. | 17. | 21. | 29. | 43. | 275. | 275. | 275. | 38. | 64.02 | 23.38 | 2.21 |
| 143 Rosebud Co | 003 | F03 | 3 | 9. | 9. | 9. | 20. | 243. | 243. | 243. | 243. | 243. | | | | |
| | 026 | P03 | 5 | 14. | 14. | 16. | 25. | 27. | 30. | 30. | 30. | 30. | | | | |
| | 027 | F02 | 10 | 1. | 1. | 30. | 38. | 46. | 59. | 71. | 71. | 71. | 39. | 20.39 | 27.92 | 3.44 |
| | 028 | F02 | 8 | 11. | 11. | 16. | 17. | 31. | 102. | 102. | 102. | 102. | 32. | 29.89 | 24.12 | 2.07 |
| 144 Columbia Falls | 002 | F01 | 11 | 27. | 39. | 86. | 148. | 172. | 212. | 223. | 223. | 223. | 126. | 69.69 | 103.11 | 2.09 |
| 144 Flat Head Co | 029 | F02 | 15 | 19. | 20. | 22. | 25. | 33. | 58. | 126. | 126. | 126. | 35. | 27.19 | 30.41 | 1.65 |
| 144 Kalispell | 013 | F01 | 14 | 52. | 63. | 83. | 95. | 120. | 177. | 226. | 226. | 226. | 113. | 49.34 | 104.12 | 1.52 |
| 144 Libby | 009 | F01 | 10 | 1. | 1. | 52. | 60. | 63. | 65. | 91. | 91. | 91. | 54. | 24.68 | 37.74 | 3.74 |
| 144 Lincoln Co | 001 | F03 | 10 | 8. | 8. | 14. | 32. | 58. | 85. | 122. | 122. | 122. | 45. | 36.85 | 32.47 | 2.47 |
| 144 Missoula Co | 001 | G01 | 90 | 12. | 44. | 60. | 79. | 99. | 122. | 128. | 261. | 261. | 83. | 35.82 | 75.95 | 1.55 |
| | 009 | G01 | 86 | 8. | 26. | 36. | 43. | 56. | 86. | 92. | 120. | 120. | 49. | 21.53 | 44.34 | 1.56 |
| | 014 | G02 | 89 | 20. | 24. | 35. | 42. | 55. | 78. | 84. | 254. | 254. | 49. | 29.76 | 43.47 | 1.56 |
| **NEBRASKA** | | | | | | | | | | | | | | | | |
| 085 Bellevue | 002 | F01 | 7 | 74. | 74. | 78. | 81. | 106. | 116. | 116. | 116. | 116. | 91. | 17.70 | 89.61 | 1.21 |
| 085 Omaha | 011 | G01 | 16 | 50. | 59. | 97. | 113. | 153. | 253. | 261. | 261. | 261. | 133. | 61.70 | 120.47 | 1.59 |
| | 015 | G01 | 16 | 44. | 54. | 59. | 66. | 96. | 144. | 149. | 149. | 149. | 81. | 31.91 | 75.66 | 1.44 |
| | 018 | G01 | 16 | 29. | 37. | 61. | 67. | 91. | 112. | 127. | 127. | 127. | 73. | 26.35 | 68.82 | 1.47 |

# PARTICULATE, micrograms per cubic meter (25 C)
# HI-VOL GRAVIMETRIC, 24 hours
### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **NEBRASKA — Cont.** | | | | | | | | | | | | | | | | |
| | 019 | G01 | 15 | 30. | 47. | 55. | 69. | 83. | 103. | 106. | 106. | 106. | 70. | 22.42 | 66.78 | 1.41 |
| | 020 | G01 | 15 | 42. | 60. | 64. | 89. | 96. | 114. | 121. | 121. | 121. | 84. | 21.93 | 81.47 | 1.33 |
| | 023 | G01 | 16 | 29. | 32. | 47. | 51. | 68. | 86. | 112. | 112. | 112. | 59. | 21.63 | 55.36 | 1.43 |
| | 028 | G01 | 15 | 57. | 59. | 73. | 92. | 108. | 123. | 135. | 135. | 135. | 91. | 24.99 | 88.13 | 1.32 |
| | 029 | G01 | 16 | 25. | 31. | 54. | 62. | 78. | 117. | 135. | 135. | 135. | 71. | 31.55 | 64.28 | 1.60 |
| | 032 | G01 | 16 | 26. | 26. | 44. | 51. | 75. | 95. | 147. | 147. | 147. | 59. | 30.16 | 53.66 | 1.57 |
| | 034 | P01 | 14 | 34. | 38. | 65. | 71. | 86. | 97. | 121. | 121. | 121. | 72. | 25.21 | 67.15 | 1.47 |
| 085 OOneill | 002 | G01 | 16 | 43. | 44. | 60. | 75. | 102. | 139. | 144. | 144. | 144. | 82. | 31.84 | 76.68 | 1.48 |
| 086 South Sioux City | 002 | F01 | 5 | 65. | 65. | 99. | 101. | 111. | 174. | 174. | 174. | 174. | 110. | 39.72 | 104.55 | 1.42 |
| 145 Beatrice | 001 | F01 | 8 | 67. | 67. | 87. | 88. | 92. | 171. | 171. | 171. | 171. | 95. | 31.97 | 91.74 | 1.32 |
| 145 Fairbury | 001 | F01 | 8 | 49. | 49. | 56. | 59. | 78. | 138. | 138. | 138. | 138. | 72. | 28.96 | 67.88 | 1.40 |
| 145 Lancaster Co | 001 | G01 | 15 | 22. | 23. | 35. | 45. | 68. | 75. | 89. | 89. | 89. | 50. | 21.66 | 45.14 | 1.60 |
| | 002 | G01 | 16 | 69. | 120. | 136. | 143. | 184. | 317. | 353. | 353. | 353. | 181. | 81.74 | 166.03 | 1.53 |
| | 003 | G01 | 14 | 19. | 30. | 44. | 49. | 52. | 130. | 147. | 147. | 147. | 60. | 37.40 | 51.71 | 1.74 |
| | 004 | G01 | 16 | 25. | 26. | 45. | 57. | 96. | 124. | 183. | 183. | 183. | 76. | 42.53 | 65.43 | 1.76 |
| | 005 | G01 | 15 | 23. | 33. | 60. | 82. | 92. | 118. | 125. | 125. | 125. | 74. | 30.43 | 67.16 | 1.64 |
| | 006 | G01 | 16 | 26. | 33. | 54. | 65. | 89. | 150. | 175. | 175. | 175. | 80. | 43.90 | 69.90 | 1.73 |
| 145 Lincoln | 002 | P01 | 16 | 32. | 33. | 49. | 55. | 81. | 100. | 122. | 122. | 122. | 67. | 25.30 | 63.03 | 1.47 |
| | 003 | G01 | 15 | 26. | 36. | 48. | 56. | 72. | 96. | 115. | 115. | 115. | 62. | 23.25 | 57.86 | 1.46 |
| | 004 | G01 | 14 | 40. | 42. | 56. | 70. | 82. | 99. | 100. | 100. | 100. | 71. | 19.37 | 68.16 | 1.34 |
| | 005 | G01 | 15 | 21. | 31. | 48. | 70. | 85. | 100. | 117. | 117. | 117. | 67. | 28.49 | 59.97 | 1.65 |
| | 006 | G01 | 15 | 31. | 47. | 66. | 77. | 102. | 160. | 172. | 172. | 172. | 91. | 41.00 | 82.48 | 1.60 |
| | 008 | G01 | 16 | 29. | 37. | 42. | 57. | 96. | 138. | 154. | 154. | 154. | 75. | 42.25 | 65.36 | 1.71 |
| | 009 | G01 | 15 | 45. | 52. | 81. | 116. | 128. | 185. | 203. | 203. | 203. | 113. | 46.06 | 103.71 | 1.54 |
| 146 Auburn | 001 | F01 | 7 | 89. | 89. | 94. | 107. | 122. | 159. | 159. | 159. | 159. | 114. | 26.60 | 111.30 | 1.25 |
| 146 Brown Co | 001 | F01 | 6 | 63. | 63. | 92. | 94. | 133. | 172. | 172. | 172. | 172. | 109. | 37.93 | 103.98 | 1.41 |
| 146 Cass Co | 001 | F01 | 8 | 83. | 83. | 107. | 138. | 165. | 337. | 337. | 337. | 337. | 158. | 80.02 | 144.61 | 1.55 |
| | 002 | F01 | 7 | 117. | 117. | 133. | 168. | 200. | 424. | 424. | 424. | 424. | 222. | 130.42 | 194.51 | 1.71 |
| 146 Chadron | 002 | F01 | 7 | 44. | 44. | 61. | 65. | 78. | 137. | 137. | 137. | 137. | 76. | 32.07 | 70.93 | 1.48 |
| 146 Columbus | 001 | F01 | 8 | 60. | 60. | 69. | 71. | 91. | 176. | 176. | 176. | 176. | 91. | 39.10 | 85.08 | 1.44 |
| 146 Cozad | 001 | F01 | 8 | 77. | 77. | 117. | 118. | 138. | 143. | 143. | 143. | 143. | 122. | 21.40 | 119.95 | 1.22 |
| 146 Fremont | 002 | F01 | 8 | 38. | 38. | 58. | 62. | 96. | 137. | 137. | 137. | 137. | 83. | 35.96 | 75.70 | 1.58 |
| 146 Grand Island | 001 | F01 | 8 | 39. | 39. | 78. | 81. | 97. | 168. | 168. | 168. | 168. | 93. | 40.05 | 85.85 | 1.55 |
| 146 Hastings | 002 | F01 | 8 | 62. | 62. | 90. | 91. | 109. | 185. | 185. | 185. | 185. | 104. | 37.55 | 98.52 | 1.39 |
| 146 Kearney | 001 | F01 | 7 | 57. | 57. | 83. | 91. | 105. | 228. | 228. | 228. | 228. | 112. | 59.49 | 101.03 | 1.61 |
| 146 Lexington | 001 | F01 | 7 | 62. | 62. | 87. | 87. | 95. | 226. | 226. | 226. | 226. | 109. | 54.29 | 101.01 | 1.50 |
| 146 Lincoln Co | 001 | F01 | 7 | 26. | 26. | 38. | 43. | 47. | 99. | 99. | 99. | 99. | 53. | 26.67 | 48.16 | 1.60 |
| 146 Nebraska City | 001 | F01 | 5 | 75. | 75. | 84. | 86. | 92. | 272. | 272. | 272. | 272. | 122. | 84.09 | 106.04 | 1.70 |
| 146 Norfolk | 001 | F01 | 8 | 85. | 85. | 95. | 114. | 154. | 168. | 168. | 168. | 168. | 126. | 33.26 | 121.73 | 1.31 |
| 146 North Platte | 001 | F01 | 14 | 38. | 48. | 66. | 74. | 104. | 118. | 125. | 125. | 125. | 83. | 28.89 | 77.76 | 1.46 |
| 146 Scottsbluff | 001 | F01 | 8 | 69. | 69. | 89. | 98. | 105. | 152. | 152. | 152. | 152. | 100. | 24.95 | 97.95 | 1.27 |
| 146 Superior | 002 | F01 | 8 | 58. | 58. | 66. | 72. | 79. | 167. | 167. | 167. | 167. | 87. | 37.21 | 81.70 | 1.44 |
| 146 York Co | 001 | F01 | 8 | 66. | 66. | 91. | 101. | 158. | 182. | 182. | 182. | 182. | 126. | 44.39 | 118.34 | 1.46 |
| **NEW HAMPSHIRE** | | | | | | | | | | | | | | | | |
| 107 Berlin | 001 | F01 | 10 | 51. | 51. | 52. | 66. | 73. | 79. | 88. | 88. | 88. | 67. | 12.49 | 65.54 | 1.21 |
| | 001 | J02 | 80 | 15. | 32. | 57. | 83. | 115. | 150. | 166. | 243. | 243. | 91. | 49.81 | 77.76 | 1.83 |
| | 002 | F01 | 1 | 23. | 23. | 23. | 23. | 23. | 23. | 23. | 23. | 23. | | | | |
| | 003 | F01 | 10 | 28. | 28. | 30. | 46. | 55. | 90. | 99. | 99. | 99. | 53. | 26.45 | 47.89 | 1.62 |
| | 007 | F01 | 15 | 25. | 25. | 44. | 60. | 63. | 76. | 104. | 104. | 104. | 55. | 19.92 | 51.89 | 1.47 |
| | 008 | J02 | 26 | 14. | 28. | 37. | 72. | 155. | 301. | 346. | 415. | 415. | 119. | 106.88 | 80.63 | 2.50 |
| | 010 | J02 | 26 | 13. | 25. | 42. | 61. | 69. | 93. | 96. | 105. | 105. | 58. | 24.92 | 51.21 | 1.72 |
| 107 Coos Co | 001 | F03 | 15 | 8. | 8. | 11. | 18. | 28. | 36. | 45. | 45. | 45. | 21. | 11.38 | 17.99 | 1.75 |
| 107 Dover | 001 | F01 | 15 | 37. | 50. | 65. | 70. | 78. | 112. | 145. | 145. | 145. | 75. | 25.91 | 71.79 | 1.38 |
| 107 Northumberland | 001 | F01 | 9 | 7. | 7. | 40. | 44. | 49. | 92. | 92. | 92. | 92. | 46. | 22.03 | 39.08 | 2.01 |
| | 003 | F01 | 14 | 16. | 21. | 28. | 30. | 45. | 65. | 92. | 92. | 92. | 40. | 21.41 | 35.92 | 1.64 |
| 121 Allenstown | 001 | F01 | 11 | 8. | 19. | 27. | 60. | 82. | 103. | 132. | 132. | 132. | 59. | 39.75 | 44.20 | 2.40 |
| 121 Claremont | 002 | F01 | 13 | 13. | 33. | 37. | 45. | 54. | 74. | 75. | 75. | 75. | 48. | 16.87 | 44.04 | 1.57 |
| 121 Concord | 002 | F01 | 15 | 18. | 20. | 31. | 41. | 53. | 79. | 92. | 92. | 92. | 45. | 21.45 | 40.07 | 1.61 |
| 121 Exeter | 002 | F01 | 16 | 30. | 32. | 36. | 42. | 68. | 89. | 122. | 122. | 122. | 56. | 25.93 | 51.11 | 1.53 |
| 121 Hooksett | 001 | F01 | 15 | 18. | 22. | 42. | 54. | 68. | 93. | 114. | 114. | 114. | 56. | 25.20 | 50.75 | 1.63 |
| 121 Keene | 002 | F01 | 11 | 20. | 32. | 36. | 45. | 51. | 80. | 89. | 89. | 89. | 50. | 22.34 | 45.67 | 1.57 |
| | 003 | F01 | 11 | 43. | 44. | 51. | 66. | 81. | 94. | 103. | 103. | 103. | 68. | 21.65 | 65.34 | 1.38 |
| | 005 | F01 | 16 | 27. | 45. | 48. | 56. | 65. | 83. | 97. | 97. | 97. | 59. | 16.71 | 56.55 | 1.34 |
| 121 Laconia | 002 | F01 | 15 | 21. | 30. | 41. | 54. | 61. | 112. | 128. | 128. | 128. | 58. | 29.47 | 52.36 | 1.61 |
| 121 Manchester | 008 | F01 | 16 | 22. | 33. | 44. | 56. | 75. | 113. | 133. | 133. | 133. | 66. | 30.61 | 59.33 | 1.61 |
| | 009 | F01 | 10 | 33. | 33. | 53. | 61. | 74. | 128. | 161. | 161. | 161. | 74. | 40.31 | 66.27 | 1.64 |
| | 010 | F01 | 16 | 23. | 30. | 42. | 54. | 73. | 116. | 124. | 124. | 124. | 62. | 31.17 | 55.11 | 1.65 |

# PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **NEW HAMPSHIRE – Cont.** | | | | | | | | | | | | | | | | |
| 121 Nashua | 007 | F01 | 15 | 29. | 46. | 59. | 63. | 74. | 112. | 119. | 119. | 119. | 69. | 23.04 | 65.42 | 1.41 |
| 121 Portsmouth | 005 | F01 | 14 | 37. | 37. | 46. | 55. | 68. | 103. | 120. | 120. | 120. | 64. | 24.63 | 59.81 | 1.43 |
| | 006 | F01 | 15 | 28. | 36. | 46. | 61. | 69. | 103. | 104. | 104. | 104. | 62. | 22.92 | 58.28 | 1.46 |
| | 007 | F01 | 10 | 19. | 19. | 29. | 37. | 53. | 58. | 77. | 77. | 77. | 43. | 17.61 | 40.12 | 1.53 |
| 121 Rochester | 003 | F01 | 16 | 18. | 36. | 47. | 54. | 75. | 111. | 114. | 114. | 114. | 65. | 28.73 | 58.44 | 1.62 |
| 121 Salem | 002 | F01 | 13 | 20. | 25. | 27. | 43. | 55. | 61. | 64. | 64. | 64. | 42. | 14.41 | 39.47 | 1.45 |
| 149 Lebanon | 001 | F01 | 12 | 43. | 47. | 48. | 60. | 68. | 77. | 89. | 89. | 89. | 61. | 13.91 | 59.51 | 1.25 |
| 149 Plymouth | 001 | F01 | 16 | 13. | 23. | 28. | 32. | 41. | 52. | 79. | 79. | 79. | 37. | 15.41 | 34.27 | 1.52 |
| **NEW MEXICO** | | | | | | | | | | | | | | | | |
| 012 Bayard | 001 | F01 | 14 | 71. | 74. | 82. | 130. | 155. | 220. | 354. | 354. | 354. | 143. | 76.47 | 127.59 | 1.61 |
| 012 Deming | 001 | F02 | 16 | 42. | 45. | 59. | 68. | 80. | 113. | 255. | 255. | 255. | 82. | 49.64 | 73.89 | 1.52 |
| 012 Grant Co | 001 | F02 | 15 | 31. | 57. | 93. | 122. | 160. | 301. | 439. | 439. | 439. | 156. | 109.11 | 127.49 | 1.95 |
| 012 Hidalgo Co | 005 | F02 | 12 | 6. | 19. | 24. | 25. | 33. | 68. | 148. | 148. | 148. | 39. | 37.48 | 29.40 | 2.12 |
| 012 Lordsburg | 001 | F02 | 15 | 41. | 42. | 47. | 53. | 62. | 118. | 272. | 272. | 272. | 71. | 58.56 | 61.11 | 1.63 |
| 012 Silver City | 001 | F01 | 16 | 31. | 32. | 40. | 43. | 59. | 86. | 111. | 111. | 111. | 54. | 23.95 | 49.71 | 1.48 |
| 014 Aztec | 001 | F02 | 11 | 39. | 48. | 51. | 54. | 75. | 94. | 198. | 198. | 198. | 74. | 44.50 | 65.87 | 1.57 |
| 014 Bernalillo | 001 | F01 | 16 | 42. | 49. | 68. | 96. | 112. | 156. | 200. | 200. | 200. | 99. | 41.93 | 91.35 | 1.53 |
| 014 Farmington | 001 | F01 | 8 | 42. | 42. | 99. | 111. | 136. | 202. | 202. | 202. | 202. | 115. | 53.72 | 101.55 | 1.76 |
| 014 Gallup | 001 | F01 | 5 | 94. | 94. | 106. | 124. | 126. | 143. | 143. | 143. | 143. | | | | |
| 014 Mc Kinley Co | 007 | J03 | 10 | 45. | 45. | 68. | 82. | 103. | 152. | 298. | 298. | 298. | 111. | 74.31 | 95.40 | 1.73 |
| 014 San Juan Co | 004 | F02 | 10 | 22. | 22. | 48. | 81. | 95. | 127. | 370. | 370. | 370. | 103. | 99.39 | 76.96 | 2.14 |
| | 005 | F02 | 11 | 21. | 26. | 39. | 55. | 61. | 88. | 138. | 138. | 138. | 58. | 33.05 | 50.48 | 1.73 |
| | 006 | F02 | 11 | 28. | 29. | 30. | 46. | 54. | 65. | 204. | 204. | 204. | 57. | 50.72 | 46.19 | 1.79 |
| | 010 | F02 | 9 | 25. | 25. | 43. | 62. | 126. | 244. | 244. | 244. | 244. | 97. | 77.90 | 74.69 | 2.15 |
| | 014 | F02 | 12 | 14. | 21. | 33. | 52. | 63. | 73. | 229. | 229. | 229. | 62. | 55.84 | 48.57 | 2.01 |
| | 017 | F02 | 12 | 10. | 23. | 31. | 35. | 44. | 119. | 148. | 148. | 148. | 49. | 40.81 | 38.87 | 2.00 |
| 014 Valencia Co | 006 | F02 | 5 | 27. | 27. | 32. | 37. | 37. | 78. | 78. | 78. | 78. | 42. | 20.33 | 39.17 | 1.50 |
| 014 Zuni Pueblo | 001 | F02 | 3 | 49. | 49. | 49. | 59. | 63. | 63. | 63. | 63. | 63. | | | | |
| 152 Albuquerque | 001 | H01 | 10 | 59. | 59. | 81. | 83. | 136. | 171. | 173. | 173. | 173. | 114. | 41.52 | 106.62 | 1.46 |
| | 003 | H01 | 11 | 59. | 63. | 88. | 95. | 100. | 170. | 191. | 191. | 191. | 107. | 42.77 | 99.76 | 1.46 |
| | 004 | H01 | 11 | 39. | 45. | 51. | 53. | 61. | 68. | 103. | 103. | 103. | 58. | 17.29 | 56.10 | 1.30 |
| | 005 | H01 | 10 | 4. | 4. | 12. | 15. | 24. | 93. | 134. | 134. | 134. | 37. | 43.59 | 20.82 | 3.10 |
| | 006 | H01 | 10 | 20. | 20. | 26. | 30. | 34. | 54. | 62. | 62. | 62. | 35. | 13.68 | 32.69 | 1.44 |
| | 009 | H01 | 11 | 55. | 61. | 70. | 81. | 85. | 155. | 159. | 159. | 159. | 92. | 36.09 | 86.25 | 1.43 |
| 152 Bernalillo Co | 001 | H01 | 11 | 36. | 41. | 70. | 81. | 89. | 102. | 124. | 124. | 124. | 77. | 26.16 | 72.39 | 1.46 |
| | 002 | H01 | 8 | 50. | 50. | 60. | 95. | 102. | 229. | 229. | 229. | 229. | 103. | 59.31 | 90.81 | 1.69 |
| | 011 | H01 | 9 | 9. | 9. | 53. | 81. | 91. | 332. | 332. | 332. | 332. | 97. | 92.75 | 68.24 | 2.59 |
| | 031 | H01 | 10 | 17. | 17. | 25. | 30. | 46. | 71. | 116. | 116. | 116. | 45. | 30.09 | 38.44 | 1.80 |
| 152 Valencia Co | 005 | F02 | 8 | 29. | 29. | 49. | 56. | 75. | 101. | 101. | 101. | 101. | 62. | 26.65 | 57.09 | 1.60 |
| 153 Alamogordo | 002 | F01 | 13 | 50. | 52. | 59. | 64. | 79. | 135. | 144. | 144. | 144. | 76. | 29.71 | 72.19 | 1.39 |
| 153 Dona Ana Co | 001 | F02 | 15 | 83. | 86. | 97. | 154. | 225. | 266. | 346. | 346. | 346. | 171. | 79.62 | 154.88 | 1.60 |
| | 002 | F02 | 16 | 40. | 49. | 77. | 107. | 142. | 187. | 211. | 211. | 211. | 115. | 51.34 | 103.40 | 1.62 |
| | 004 | F02 | 16 | 40. | 40. | 56. | 71. | 89. | 140. | 166. | 166. | 166. | 80. | 37.67 | 73.10 | 1.55 |
| | 007 | F03 | 15 | 38. | 44. | 67. | 80. | 83. | 197. | 202. | 202. | 202. | 91. | 49.77 | 81.20 | 1.62 |
| 153 Las Cruces | 001 | F01 | 12 | 26. | 32. | 64. | 79. | 102. | 110. | 126. | 126. | 126. | 76. | 31.88 | 68.69 | 1.66 |
| 153 Lincoln Co | 001 | F02 | 2 | 68. | 68. | 68. | 68. | 83. | 83. | 83. | 83. | 83. | | | | |
| 153 Truth Or Consequences | 001 | F01 | 8 | 27. | 27. | 107. | 113. | 129. | 133. | 133. | 133. | 133. | 105. | 36.11 | 95.85 | 1.71 |
| 153 Tularosa | 001 | F02 | 16 | 46. | 50. | 67. | 72. | 90. | 103. | 283. | 283. | 283. | 88. | 54.81 | 79.60 | 1.51 |
| 154 Clayton | 001 | F01 | 15 | 11. | 17. | 26. | 37. | 70. | 134. | 157. | 157. | 157. | 59. | 47.54 | 44.17 | 2.24 |
| 154 Las Vegas City | 001 | F01 | 16 | 41. | 64. | 69. | 78. | 93. | 147. | 175. | 175. | 175. | 91. | 35.62 | 85.50 | 1.44 |
| 154 Raton | 001 | F01 | 14 | 24. | 33. | 43. | 48. | 55. | 111. | 160. | 160. | 160. | 58. | 35.55 | 51.77 | 1.61 |
| 155 Artesia | 001 | F01 | 14 | 41. | 47. | 54. | 55. | 93. | 122. | 507. | 507. | 507. | 101. | 119.61 | 75.62 | 1.90 |
| 155 Carlsbad | 006 | F01 | 16 | 23. | 58. | 69. | 85. | 105. | 139. | 140. | 140. | 140. | 88. | 29.81 | 81.91 | 1.54 |
| 155 Clovis | 001 | F01 | 8 | 57. | 57. | 62. | 65. | 143. | 254. | 254. | 254. | 254. | 112. | 73.19 | 94.98 | 1.79 |
| 155 Hobbs | 001 | F01 | 16 | 17. | 44. | 50. | 60. | 73. | 125. | 169. | 169. | 169. | 71. | 35.59 | 63.80 | 1.65 |
| 155 Lovington | 001 | F02 | 16 | 21. | 28. | 40. | 48. | 52. | 64. | 72. | 72. | 72. | 47. | 12.81 | 45.14 | 1.35 |
| 155 Roswell | 004 | F01 | 15 | 59. | 62. | 71. | 89. | 101. | 172. | 276. | 276. | 276. | 105. | 58.70 | 94.44 | 1.55 |
| 155 Tucumcari | 001 | F03 | 6 | 19. | 19. | 29. | 34. | 75. | 155. | 155. | 155. | 155. | 62. | 50.08 | 48.73 | 2.13 |
| 156 Belen | 001 | F01 | 14 | 48. | 50. | 66. | 84. | 106. | 125. | 131. | 131. | 131. | 87. | 27.45 | 83.16 | 1.40 |
| 156 Milan | 001 | F01 | 4 | 97. | 97. | 162. | 162. | 194. | 230. | 230. | 230. | 230. | | | | |
| 156 Socorro | 002 | F01 | 16 | 29. | 31. | 41. | 49. | 54. | 103. | 120. | 120. | 120. | 56. | 25.68 | 51.85 | 1.50 |
| 156 Valencia Co | 002 | F01 | 14 | 62. | 66. | 95. | 109. | 130. | 160. | 236. | 236. | 236. | 117. | 46.74 | 109.00 | 1.46 |
| | 003 | F02 | 15 | 52. | 55. | 65. | 72. | 82. | 108. | 110. | 110. | 110. | 75. | 18.80 | 73.24 | 1.27 |
| | 004 | F02 | 7 | 61. | 61. | 78. | 83. | 98. | 306. | 306. | 306. | 306. | 116. | 86.12 | 99.48 | 1.73 |
| 157 Espanola | 001 | F01 | 7 | 8. | 8. | 29. | 39. | 46. | 191. | 191. | 191. | 191. | 62. | 65.02 | 38.48 | 2.94 |
| 157 Los Alamos | 001 | F01 | 18 | 15. | 24. | 28. | 37. | 42. | 72. | 89. | 89. | 89. | 40. | 18.55 | 36.91 | 1.54 |
| 157 Los Alamos Co | 001 | F03 | 18 | 13. | 17. | 39. | 45. | 61. | 99. | 103. | 103. | 103. | 51. | 26.64 | 44.10 | 1.80 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **NEW MEXICO — Cont.** | | | | | | | | | | | | | | | | |
| 157 Santa Fe | 001 | F01 | 17 | 22. | 29. | 47. | 52. | 56. | 81. | 110. | 110. | 110. | 55. | 21.00 | 51.66 | 1.47 |
| | 004 | F01 | 17 | 45. | 46. | 67. | 73. | 87. | 121. | 147. | 147. | 147. | 80. | 27.56 | 75.98 | 1.39 |
| | 018 | F01 | 15 | 25. | 27. | 47. | 54. | 71. | 87. | 88. | 88. | 88. | 56. | 21.09 | 52.36 | 1.51 |
| 157 Taos Co | 001 | F01 | 13 | 52. | 89. | 100. | 172. | 296. | 353. | 577. | 577. | 577. | 219. | 146.14 | 178.05 | 1.99 |
| **NORTH CAROLINA** | | | | | | | | | | | | | | | | |
| 136 Asheboro | 002 | F01 | 14 | 20. | 43. | 49. | 54. | 81. | 104. | 147. | 147. | 147. | 68. | 32.00 | 61.35 | 1.62 |
| 136 Burlington | 001 | F02 | 13 | 19. | 56. | 63. | 70. | 100. | 106. | 109. | 109. | 109. | 75. | 25.38 | 69.56 | 1.57 |
| 136 Eden | 002 | F02 | 14 | 18. | 38. | 42. | 53. | 71. | 116. | 137. | 137. | 137. | 63. | 31.72 | 55.80 | 1.66 |
| 136 Forsyth Co | 001 | G01 | 14 | 19. | 30. | 50. | 52. | 55. | 71. | 93. | 93. | 93. | 54. | 17.47 | 50.60 | 1.46 |
| | 004 | G01 | 15 | 17. | 32. | 54. | 58. | 76. | 102. | 119. | 119. | 119. | 64. | 25.45 | 58.86 | 1.60 |
| 136 Kernersville | 001 | G01 | 15 | 41. | 45. | 69. | 76. | 82. | 94. | 137. | 137. | 137. | 76. | 23.12 | 72.56 | 1.35 |
| 136 Lexington | 001 | F02 | 16 | 47. | 48. | 61. | 67. | 77. | 105. | 106. | 106. | 106. | 72. | 18.71 | 69.47 | 1.29 |
| 136 Mount Airy | 001 | F02 | 15 | 28. | 49. | 52. | 61. | 78. | 128. | 130. | 130. | 130. | 74. | 30.69 | 67.86 | 1.52 |
| 136 Thomasville | 001 | F02 | 16 | 42. | 44. | 59. | 62. | 91. | 104. | 128. | 128. | 128. | 73. | 23.66 | 70.14 | 1.36 |
| 136 Winston-Salem | 002 | G02 | 15 | 66. | 74. | 78. | 82. | 102. | 140. | 165. | 165. | 165. | 96. | 28.36 | 92.43 | 1.30 |
| | 009 | G02 | 15 | 52. | 70. | 81. | 82. | 89. | 131. | 140. | 140. | 140. | 89. | 23.04 | 86.72 | 1.28 |
| | 012 | G01 | 15 | 32. | 44. | 49. | 55. | 62. | 85. | 98. | 98. | 98. | 59. | 16.64 | 56.80 | 1.32 |
| | 013 | G02 | 12 | 66. | 69. | 76. | 83. | 93. | 148. | 175. | 175. | 175. | 95. | 33.41 | 91.07 | 1.35 |
| | 014 | G01 | 15 | 46. | 46. | 66. | 74. | 78. | 89. | 129. | 129. | 129. | 74. | 19.83 | 72.01 | 1.29 |
| | 015 | G01 | 14 | 32. | 39. | 56. | 61. | 65. | 95. | 109. | 109. | 109. | 62. | 20.52 | 59.42 | 1.39 |
| | 016 | G01 | 15 | 34. | 40. | 47. | 54. | 63. | 82. | 118. | 118. | 118. | 59. | 21.15 | 56.19 | 1.38 |
| | 017 | G02 | 15 | 25. | 43. | 56. | 62. | 69. | 92. | 102. | 102. | 102. | 65. | 19.69 | 61.75 | 1.41 |
| 165 Forest City | 001 | F01 | 13 | 25. | 43. | 45. | 66. | 75. | 111. | 114. | 114. | 114. | 65. | 25.72 | 60.63 | 1.51 |
| 165 Marion | 001 | F01 | 16 | 28. | 45. | 52. | 67. | 75. | 105. | 113. | 113. | 113. | 67. | 22.27 | 63.79 | 1.42 |
| 165 Spruce Pine | 001 | F02 | 16 | 53. | 60. | 78. | 103. | 124. | 142. | 169. | 169. | 169. | 103. | 33.01 | 98.01 | 1.39 |
| 165 Wilkes Co | 001 | F01 | 16 | 27. | 39. | 47. | 52. | 66. | 101. | 105. | 105. | 105. | 59. | 21.54 | 56.00 | 1.42 |
| 165 Yancey Co | 001 | F02 | 16 | 15. | 21. | 37. | 42. | 53. | 83. | 95. | 95. | 95. | 47. | 21.65 | 42.84 | 1.61 |
| 166 Chapel Hill | 003 | F01 | 15 | 13. | 32. | 43. | 52. | 71. | 94. | 96. | 96. | 96. | 58. | 24.71 | 52.47 | 1.68 |
| 166 Henderson | 002 | F01 | 16 | 11. | 29. | 43. | 48. | 56. | 99. | 102. | 102. | 102. | 55. | 26.37 | 48.92 | 1.74 |
| 166 Raleigh | 003 | F01 | 16 | 23. | 42. | 48. | 55. | 78. | 106. | 107. | 107. | 107. | 64. | 25.06 | 59.80 | 1.50 |
| 166 Roanoke Rapids | 001 | F02 | 14 | 30. | 35. | 50. | 59. | 64. | 133. | 136. | 136. | 136. | 68. | 34.09 | 60.89 | 1.59 |
| 166 Rocky Mount | 001 | F01 | 14 | 15. | 47. | 60. | 76. | 96. | 119. | 129. | 129. | 129. | 80. | 33.01 | 71.25 | 1.75 |
| 166 Roxboro | 001 | F02 | 15 | 15. | 36. | 52. | 57. | 67. | 115. | 115. | 115. | 115. | 64. | 28.15 | 58.02 | 1.65 |
| 166 Sanford | 001 | F01 | 16 | 22. | 44. | 51. | 61. | 83. | 111. | 128. | 128. | 128. | 70. | 27.87 | 64.85 | 1.55 |
| 166 Wilson | 001 | F02 | 12 | 16. | 42. | 48. | 72. | 94. | 113. | 133. | 133. | 133. | 75. | 33.41 | 65.99 | 1.78 |
| 167 Charlotte | 001 | G01 | 16 | 34. | 38. | 45. | 56. | 87. | 98. | 117. | 117. | 117. | 66. | 24.83 | 61.46 | 1.45 |
| | 002 | G01 | 15 | 34. | 43. | 50. | 60. | 86. | 101. | 124. | 124. | 124. | 68. | 24.98 | 63.71 | 1.43 |
| | 003 | G01 | 15 | 28. | 45. | 57. | 63. | 75. | 90. | 104. | 104. | 104. | 65. | 19.50 | 62.42 | 1.38 |
| | 010 | G01 | 15 | 28. | 45. | 62. | 68. | 101. | 120. | 120. | 120. | 120. | 77. | 28.90 | 71.66 | 1.51 |
| | 011 | G01 | 16 | 23. | 33. | 41. | 42. | 61. | 80. | 89. | 89. | 89. | 52. | 19.46 | 48.23 | 1.45 |
| | 026 | G02 | 15 | 19. | 35. | 41. | 47. | 65. | 77. | 104. | 104. | 104. | 53. | 21.00 | 49.62 | 1.50 |
| | 028 | G01 | 15 | 27. | 35. | 46. | 58. | 59. | 92. | 94. | 94. | 94. | 58. | 19.89 | 55.02 | 1.42 |
| 167 Davidson | 001 | G01 | 16 | 21. | 34. | 50. | 51. | 74. | 84. | 96. | 96. | 96. | 58. | 20.43 | 54.44 | 1.48 |
| 167 Iredell Co | 001 | F02 | 14 | 27. | 35. | 47. | 51. | 61. | 89. | 97. | 97. | 97. | 59. | 21.33 | 55.64 | 1.44 |
| 167 Kannapolis | 004 | F02 | 15 | 31. | 34. | 56. | 64. | 99. | 119. | 128. | 128. | 128. | 74. | 30.79 | 67.62 | 1.55 |
| 167 Lincolnton | 002 | F01 | 14 | 51. | 56. | 60. | 67. | 79. | 99. | 106. | 106. | 106. | 72. | 16.93 | 70.05 | 1.25 |
| 167 Mecklenburg Co | 001 | G01 | 15 | 23. | 40. | 47. | 51. | 63. | 108. | 127. | 127. | 127. | 65. | 30.79 | 58.99 | 1.58 |
| | 003 | G01 | 14 | 20. | 38. | 48. | 50. | 66. | 102. | 103. | 103. | 103. | 62. | 25.10 | 56.69 | 1.56 |
| | 004 | G01 | 10 | 19. | 19. | 41. | 51. | 55. | 84. | 114. | 114. | 114. | 56. | 26.53 | 50.72 | 1.63 |
| | 006 | G02 | 4 | 40. | 40. | 42. | 42. | 59. | 66. | 66. | 66. | 66. | | | | |
| 167 Monroe | 001 | F01 | 14 | 40. | 42. | 54. | 69. | 83. | 132. | 146. | 146. | 146. | 77. | 32.50 | 71.40 | 1.49 |
| 167 Statesville | 002 | F01 | 12 | 26. | 44. | 52. | 60. | 81. | 90. | 111. | 111. | 111. | 66. | 23.21 | 61.84 | 1.48 |
| 168 Elizabeth City | 001 | F01 | 14 | 42. | 48. | 58. | 76. | 116. | 146. | 157. | 157. | 157. | 91. | 41.07 | 83.13 | 1.58 |
| 169 Dunn | 001 | F01 | 16 | 17. | 45. | 55. | 79. | 101. | 132. | 158. | 158. | 158. | 82. | 37.02 | 72.54 | 1.73 |
| 169 Fayetteville | 002 | F01 | 14 | 20. | 42. | 53. | 58. | 75. | 104. | 135. | 135. | 135. | 68. | 29.69 | 61.68 | 1.60 |
| | 003 | F02 | 14 | 19. | 43. | 55. | 63. | 88. | 105. | 112. | 112. | 112. | 70. | 25.93 | 63.98 | 1.58 |
| 169 Laurinburg | 001 | F01 | 2 | 45. | 45. | 45. | 45. | 68. | 68. | 68. | 68. | 68. | | | | |
| 169 Lumberton | 002 | F01 | 16 | 16. | 36. | 51. | 63. | 82. | 96. | 108. | 108. | 108. | 66. | 25.28 | 60.35 | 1.62 |
| 169 Rockingham | 002 | F01 | 16 | 20. | 38. | 43. | 53. | 81. | 91. | 119. | 119. | 119. | 61. | 25.51 | 56.40 | 1.55 |
| 169 Southern Pines | 001 | F01 | 16 | 13. | 26. | 38. | 44. | 59. | 84. | 90. | 90. | 90. | 49. | 21.07 | 44.37 | 1.64 |
| 170 Columbus Co | 002 | F02 | 16 | 16. | 28. | 40. | 51. | 62. | 84. | 84. | 84. | 84. | 53. | 20.22 | 48.88 | 1.56 |
| 170 Goldsboro | 002 | F01 | 16 | 17. | 42. | 55. | 71. | 102. | 128. | 177. | 177. | 177. | 82. | 39.58 | 72.20 | 1.74 |
| 170 Jacksonville | 001 | F01 | 16 | 27. | 35. | 47. | 56. | 78. | 106. | 120. | 120. | 120. | 64. | 25.63 | 58.97 | 1.50 |
| 170 Kinston | 001 | F02 | 5 | 11. | 11. | 40. | 42. | 61. | 64. | 64. | 64. | 64. | 44. | 21.20 | 37.29 | 2.04 |
| 170 New Bern | 001 | F01 | 16 | 26. | 33. | 61. | 71. | 79. | 97. | 144. | 144. | 144. | 72. | 27.18 | 66.64 | 1.50 |
| 170 Wilmington | 002 | F01 | 16 | 30. | 35. | 51. | 58. | 72. | 92. | 132. | 132. | 132. | 63. | 25.03 | 58.61 | 1.45 |
| 171 Asheville | 003 | I01 | 16 | 30. | 36. | 50. | 64. | 85. | 99. | 102. | 102. | 102. | 65. | 22.71 | 61.44 | 1.44 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **NORTH CAROLINA—Cont.** | | | | | | | | | | | | | | | | |
| | 004 | I02 | 10 | 48. | 48. | 60. | 62. | 73. | 115. | 117. | 117. | 117. | 73. | 24.27 | 69.87 | 1.35 |
| | 005 | I01 | 16 | 18. | 36. | 41. | 43. | 60. | 73. | 79. | 79. | 79. | 49. | 16.18 | 46.05 | 1.43 |
| 171 Buncombe Co | 021 | I01 | 13 | 20. | 37. | 42. | 55. | 80. | 85. | 92. | 92. | 92. | 57. | 22.10 | 53.02 | 1.54 |
| 171 Canton | 002 | I02 | 15 | 39. | 52. | 90. | 93. | 108. | 138. | 143. | 143. | 143. | 94. | 29.62 | 88.72 | 1.43 |
| 171 Haywood Co | 006 | I02 | 11 | 40. | 51. | 76. | 86. | 94. | 131. | 148. | 148. | 148. | 87. | 32.22 | 81.22 | 1.47 |
| 171 Hendersonville | 003 | F02 | 15 | 34. | 39. | 46. | 50. | 63. | 92. | 95. | 95. | 95. | 58. | 18.78 | 55.03 | 1.36 |
| 171 Jackson Co | 002 | F02 | 16 | 21. | 31. | 40. | 42. | 60. | 73. | 74. | 74. | 74. | 48. | 15.25 | 45.61 | 1.40 |
| **NORTH DAKOTA** | | | | | | | | | | | | | | | | |
| 130 Cass Co | 001 | F03 | 16 | 25. | 31. | 42. | 54. | 64. | 88. | 101. | 101. | 101. | 57. | 22.00 | 52.51 | 1.49 |
| 130 Fargo | 001 | F01 | 16 | 31. | 34. | 48. | 53. | 70. | 112. | 145. | 145. | 145. | 63. | 29.17 | 57.85 | 1.49 |
| | 002 | F01 | 16 | 30. | 42. | 60. | 89. | 119. | 178. | 243. | 243. | 243. | 100. | 55.77 | 86.41 | 1.74 |
| 172 Barnes Co | 002 | F03 | 8 | 14. | 14. | 46. | 52. | 55. | 72. | 72. | 72. | 72. | 48. | 18.16 | 43.41 | 1.69 |
| 172 Billings Co | 001 | F03 | 15 | 9. | 9. | 18. | 22. | 32. | 43. | 118. | 118. | 118. | 29. | 26.49 | 23.18 | 1.93 |
| 172 Bismarck | 001 | F01 | 12 | 56. | 63. | 83. | 88. | 148. | 198. | 410. | 410. | 410. | 135. | 98.59 | 113.47 | 1.77 |
| | 002 | F01 | 16 | 61. | 93. | 119. | 161. | 326. | 605. | 630. | 630. | 630. | 251. | 185.58 | 197.22 | 2.03 |
| 172 Bowman Co | 001 | F03 | 16 | 12. | 13. | 22. | 28. | 48. | 59. | 232. | 232. | 232. | 46. | 51.89 | 34.18 | 2.06 |
| 172 Burleigh Co | 001 | F03 | 16 | 19. | 39. | 48. | 83. | 108. | 255. | 291. | 291. | 291. | 103. | 77.50 | 80.38 | 2.06 |
| 172 Devils Lake | 001 | F01 | 6 | 32. | 32. | 37. | 66. | 86. | 131. | 131. | 131. | 131. | 73. | 36.61 | 64.92 | 1.72 |
| 172 Dickinson | 001 | F01 | 8 | 31. | 31. | 35. | 49. | 61. | 98. | 98. | 98. | 98. | 55. | 23.80 | 51.03 | 1.53 |
| 172 Dunn Co | 001 | F03 | 8 | 21. | 21. | 32. | 33. | 43. | 78. | 78. | 78. | 78. | 39. | 18.00 | 36.28 | 1.51 |
| | 002 | F03 | 15 | 12. | 14. | 29. | 46. | 51. | 117. | 189. | 189. | 189. | 54. | 46.78 | 41.22 | 2.13 |
| 172 Grand Forks | 001 | F01 | 8 | 52. | 52. | 61. | 62. | 94. | 128. | 128. | 128. | 128. | 79. | 26.19 | 75.07 | 1.37 |
| | 002 | F01 | 16 | 19. | 39. | 50. | 61. | 79. | 104. | 115. | 115. | 115. | 67. | 26.52 | 61.18 | 1.58 |
| 172 Grant Co | 001 | F03 | 14 | 9. | 16. | 21. | 25. | 34. | 62. | 228. | 228. | 228. | 43. | 55.03 | 29.94 | 2.14 |
| 172 Hettinger Co | 001 | F03 | 16 | 11. | 20. | 34. | 47. | 64. | 96. | 224. | 224. | 224. | 59. | 49.49 | 46.43 | 2.04 |
| | 002 | F03 | 16 | 7. | 11. | 16. | 22. | 33. | 157. | 317. | 317. | 317. | 50. | 79.35 | 27.53 | 2.60 |
| 172 Jamestown | 001 | F01 | 8 | 37. | 37. | 54. | 60. | 101. | 373. | 373. | 373. | 373. | 107. | 110.46 | 80.38 | 2.04 |
| 172 Mc Kenzie Co | 001 | F03 | 15 | 8. | 15. | 27. | 32. | 44. | 56. | 126. | 126. | 126. | 39. | 27.73 | 31.90 | 1.89 |
| 172 Mc Lean Co | 001 | F03 | 15 | 9. | 16. | 27. | 41. | 67. | 130. | 245. | 245. | 245. | 61. | 61.16 | 42.45 | 2.36 |
| | 002 | F03 | 16 | 2. | 15. | 30. | 38. | 67. | 100. | 154. | 154. | 154. | 51. | 38.63 | 36.47 | 2.74 |
| 172 Mandan | 001 | F01 | 16 | 30. | 30. | 42. | 55. | 87. | 213. | 273. | 273. | 273. | 81. | 67.88 | 64.06 | 1.91 |
| 172 Mercer Co | 001 | F01 | 15 | 29. | 33. | 54. | 74. | 91. | 112. | 290. | 290. | 290. | 84. | 62.32 | 70.68 | 1.76 |
| | 002 | F03 | 16 | 7. | 19. | 33. | 45. | 51. | 73. | 224. | 224. | 224. | 52. | 48.92 | 40.08 | 2.08 |
| 172 Minot | 001 | F01 | 6 | 67. | 67. | 69. | 71. | 129. | 166. | 166. | 166. | 166. | 103. | 40.72 | 96.65 | 1.47 |
| 172 Morton Co | 001 | F03 | 16 | 4. | 15. | 35. | 48. | 74. | 90. | 209. | 209. | 209. | 58. | 46.99 | 43.16 | 2.41 |
| 172 Mountrail Co | 001 | F03 | 16 | 10. | 14. | 22. | 36. | 47. | 91. | 109. | 109. | 109. | 42. | 27.44 | 34.19 | 1.95 |
| 172 Oliver Co | 001 | F03 | 16 | 18. | 23. | 29. | 33. | 61. | 90. | 237. | 237. | 237. | 56. | 53.66 | 43.43 | 1.95 |
| 172 Sheridan Co | 001 | F03 | 16 | 9. | 14. | 30. | 37. | 72. | 103. | 186. | 186. | 186. | 54. | 43.22 | 41.57 | 2.09 |
| | 002 | F03 | 16 | 15. | 20. | 29. | 35. | 63. | 88. | 132. | 132. | 132. | 50. | 31.64 | 41.84 | 1.82 |
| 172 Stark Co | 001 | F03 | 16 | 9. | 11. | 30. | 37. | 45. | 71. | 192. | 192. | 192. | 47. | 41.97 | 36.44 | 2.02 |
| 172 Stutsman Co | 001 | F03 | 7 | 30. | 30. | 33. | 36. | 36. | 76. | 76. | 76. | 76. | 41. | 16.21 | 38.95 | 1.38 |
| 172 Valley City | 001 | F01 | 5 | 63. | 63. | 84. | 84. | 93. | 202. | 202. | 202. | 202. | 105. | 55.22 | 96.46 | 1.55 |
| 172 Wahpeton | 001 | F01 | 8 | 22. | 22. | 43. | 43. | 46. | 67. | 67. | 67. | 67. | 44. | 12.99 | 42.41 | 1.38 |
| 172 Ward Co | 001 | F03 | 12 | 1. | 11. | 14. | 29. | 44. | 96. | 133. | 133. | 133. | 40. | 39.04 | 22.47 | 4.21 |
| 172 Williston | 001 | F01 | 8 | 22. | 22. | 37. | 43. | 57. | 520. | 520. | 520. | 520. | 103. | 169.12 | 56.21 | 2.60 |
| **OHIO** | | | | | | | | | | | | | | | | |
| 173 Kettering | 002 | G01 | 3 | 64. | 64. | 64. | 81. | 87. | 87. | 87. | 87. | 87. | | | | |
| **OKLAHOMA** | | | | | | | | | | | | | | | | |
| 017 Poteau | 462 | F01 | 10 | 19. | 19. | 31. | 33. | 54. | 66. | 72. | 72. | 72. | 45. | 18.38 | 41.58 | 1.55 |
| 017 Sequoyah Co | 471 | F01 | 13 | 18. | 27. | 33. | 38. | 44. | 54. | 55. | 55. | 55. | 39. | 10.79 | 37.53 | 1.36 |
| 017 Tahlequah | 480 | F01 | 11 | 47. | 60. | 75. | 86. | 111. | 174. | 195. | 195. | 195. | 101. | 47.27 | 92.31 | 1.56 |
| 022 Mc Curtain Co | 459 | F01 | 15 | 27. | 34. | 42. | 58. | 73. | 112. | 115. | 115. | 115. | 61. | 26.89 | 55.51 | 1.53 |
| | 463 | F01 | 9 | 28. | 28. | 42. | 72. | 104. | 193. | 193. | 193. | 193. | 83. | 52.00 | 70.41 | 1.86 |
| | 464 | F01 | 5 | 28. | 28. | 40. | 55. | 61. | 62. | 62. | 62. | 62. | | | | |
| 184 Bethany | 014 | F01 | 8 | 19. | 19. | 59. | 72. | 85. | 89. | 89. | 89. | 89. | 66. | 24.72 | 60.23 | 1.69 |
| 184 Chickasha | 061 | F01 | 10 | 23. | 23. | 52. | 67. | 69. | 74. | 130. | 130. | 130. | 65. | 29.24 | 58.64 | 1.65 |
| 184 Edmond | 016 | F02 | 16 | 38. | 42. | 49. | 61. | 75. | 82. | 91. | 91. | 91. | 63. | 16.13 | 61.17 | 1.31 |
| 184 Kingfisher | 030 | F01 | 4 | 46. | 46. | 69. | 69. | 70. | 89. | 89. | 89. | 89. | | | | |
| 184 Midwest City | 006 | F01 | 15 | 27. | 35. | 45. | 59. | 67. | 80. | 86. | 86. | 86. | 57. | 17.83 | 54.10 | 1.40 |
| | 010 | F01 | 13 | 23. | 30. | 36. | 55. | 65. | 81. | 82. | 82. | 82. | 52. | 18.87 | 48.43 | 1.48 |
| 184 Norman | 040 | F01 | 4 | 37. | 37. | 41. | 41. | 47. | 61. | 61. | 61. | 61. | | | | |
| 184 Oklahoma Co | 005 | F03 | 15 | 14. | 21. | 28. | 33. | 46. | 50. | 57. | 57. | 57. | 35. | 12.34 | 33.29 | 1.47 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **OKLAHOMA — Cont.** | | | | | | | | | | | | | | | | |
| 184 Oklahoma City | 001 | F02 | 16 | 32. | 50. | 56. | 68. | 96. | 102. | 159. | 159. | 159. | 78. | 29.83 | 72.63 | 1.46 |
| | 002 | F02 | 13 | 20. | 20. | 32. | 40. | 53. | 63. | 67. | 67. | 67. | 41. | 15.23 | 38.25 | 1.49 |
| | 015 | F02 | 6 | 36. | 36. | 59. | 67. | 86. | 106. | 106. | 106. | 106. | 71. | 23.81 | 67.20 | 1.45 |
| | 018 | F02 | 14 | 57. | 60. | 69. | 78. | 104. | 112. | 154. | 154. | 154. | 88. | 27.35 | 84.23 | 1.34 |
| | 019 | F01 | 16 | 31. | 32. | 44. | 54. | 74. | 84. | 84. | 84. | 84. | 58. | 18.49 | 54.72 | 1.40 |
| | 020 | F03 | 16 | 22. | 31. | 45. | 48. | 74. | 89. | 95. | 95. | 95. | 57. | 22.50 | 52.63 | 1.53 |
| | 021 | F03 | 15 | 24. | 27. | 41. | 56. | 58. | 80. | 80. | 80. | 80. | 52. | 17.24 | 49.19 | 1.44 |
| | 033 | F01 | 13 | 36. | 44. | 51. | 72. | 81. | 100. | 105. | 105. | 105. | 69. | 21.25 | 65.78 | 1.38 |
| | 034 | F01 | 13 | 31. | 39. | 46. | 56. | 64. | 69. | 71. | 71. | 71. | 55. | 12.44 | 53.41 | 1.28 |
| 184 Shawnee | 053 | F01 | 13 | 45. | 52. | 61. | 69. | 81. | 92. | 92. | 92. | 92. | 71. | 15.51 | 68.90 | 1.26 |
| 185 Blackwell | 599 | F01 | 12 | 46. | 49. | 64. | 71. | 77. | 102. | 129. | 129. | 129. | 74. | 23.11 | 70.90 | 1.34 |
| 185 Enid | 550 | F01 | 10 | 26. | 26. | 36. | 64. | 74. | 96. | 101. | 101. | 101. | 64. | 27.08 | 57.64 | 1.64 |
| 185 Stillwater | 610 | F01 | 8 | 33. | 33. | 57. | 57. | 59. | 72. | 72. | 72. | 72. | 56. | 11.96 | 54.45 | 1.27 |
| 186 Claremore | 190 | F01 | 11 | 44. | 51. | 63. | 64. | 91. | 95. | 111. | 111. | 111. | 74. | 21.08 | 71.46 | 1.34 |
| 186 Delaware Co | 500 | F01 | 4 | 58. | 58. | 73. | 73. | 75. | 83. | 83. | 83. | 83. | | | | |
| 186 Dewey | 219 | F01 | 11 | 21. | 25. | 47. | 52. | 57. | 70. | 99. | 99. | 99. | 51. | 22.22 | 46.87 | 1.59 |
| 186 Muskogee | 162 | F01 | 26 | 37. | 39. | 50. | 67. | 88. | 120. | 125. | 128. | 128. | 73. | 27.89 | 67.62 | 1.47 |
| | 164 | F01 | 24 | 27. | 46. | 63. | 71. | 108. | 122. | 140. | 220. | 220. | 86. | 41.56 | 77.60 | 1.59 |
| | 166 | F01 | 13 | 56. | 58. | 73. | 78. | 91. | 112. | 128. | 128. | 128. | 84. | 20.17 | 81.50 | 1.26 |
| 186 Pawhuska | 221 | F01 | 11 | 37. | 40. | 45. | 53. | 62. | 64. | 69. | 69. | 69. | 53. | 10.94 | 51.85 | 1.24 |
| 186 Pryor | 180 | F01 | 12 | 71. | 73. | 78. | 87. | 112. | 134. | 159. | 159. | 159. | 99. | 27.77 | 95.55 | 1.30 |
| | 181 | F02 | 13 | 36. | 52. | 63. | 66. | 93. | 120. | 140. | 140. | 140. | 77. | 28.88 | 72.84 | 1.43 |
| 186 Rogers Co | 194 | F01 | 14 | 35. | 37. | 73. | 76. | 99. | 263. | 404. | 404. | 404. | 113. | 99.97 | 89.43 | 1.92 |
| 186 Sand Springs | 128 | F01 | 15 | 40. | 44. | 59. | 69. | 85. | 120. | 158. | 158. | 158. | 77. | 31.49 | 72.11 | 1.45 |
| 186 Tulsa | 110 | F01 | 15 | 35. | 37. | 50. | 64. | 93. | 115. | 166. | 166. | 166. | 75. | 35.57 | 68.24 | 1.56 |
| | 112 | F01 | 16 | 45. | 52. | 59. | 62. | 101. | 131. | 138. | 138. | 138. | 79. | 29.62 | 74.09 | 1.42 |
| | 129 | F01 | 16 | 41. | 45. | 49. | 56. | 76. | 96. | 107. | 107. | 107. | 64. | 19.82 | 61.79 | 1.34 |
| | 130 | F01 | 13 | 36. | 45. | 48. | 54. | 82. | 103. | 107. | 107. | 107. | 67. | 24.09 | 62.73 | 1.43 |
| | 131 | F01 | 15 | 39. | 44. | 49. | 59. | 68. | 82. | 106. | 106. | 106. | 61. | 17.65 | 59.19 | 1.31 |
| | 134 | F01 | 11 | 23. | 28. | 32. | 50. | 55. | 62. | 73. | 73. | 73. | 46. | 15.80 | 43.36 | 1.45 |
| 186 Tulsa Co | 133 | F03 | 14 | 18. | 25. | 38. | 40. | 67. | 81. | 92. | 92. | 92. | 52. | 23.52 | 47.15 | 1.64 |
| 186 Wagoner Co | 165 | F01 | 13 | 25. | 38. | 58. | 65. | 78. | 89. | 105. | 105. | 105. | 65. | 21.02 | 61.75 | 1.45 |
| 187 Clinton | 851 | F01 | 11 | 23. | 28. | 44. | 57. | 72. | 90. | 95. | 95. | 95. | 59. | 25.48 | 52.94 | 1.63 |
| 187 Roger Mills Co | 900 | F01 | 7 | 40. | 40. | 42. | 42. | 99. | 123. | 123. | 123. | 123. | 59. | 30.17 | 54.19 | 1.52 |
| 187 Woodward | 800 | F01 | 10 | 53. | 53. | 66. | 72. | 83. | 106. | 149. | 149. | 149. | 83. | 27.39 | 79.77 | 1.34 |
| 188 Ada | 243 | F01 | 14 | 26. | 32. | 40. | 46. | 59. | 82. | 97. | 97. | 97. | 53. | 20.70 | 49.00 | 1.47 |
| | 245 | F01 | 2 | 31. | 31. | 31. | 31. | 33. | 33. | 33. | 33. | 33. | | | | |
| 188 Ardmore | 292 | F01 | 14 | 41. | 48. | 55. | 60. | 72. | 85. | 91. | 91. | 91. | 65. | 15.10 | 63.21 | 1.27 |
| 188 Durant | 381 | F01 | 12 | 39. | 46. | 63. | 67. | 85. | 98. | 105. | 105. | 105. | 73. | 20.97 | 69.87 | 1.36 |
| 188 Mc Alester | 411 | F01 | 5 | 60. | 60. | 74. | 96. | 96. | 114. | 114. | 114. | 114. | | | | |
| 188 Seminole Co | 331 | F01 | 11 | 17. | 24. | 30. | 32. | 43. | 48. | 57. | 57. | 57. | 35. | 11.63 | 33.68 | 1.41 |
| 189 Altus | 751 | F01 | 11 | 42. | 42. | 65. | 79. | 83. | 99. | 105. | 105. | 105. | 74. | 20.27 | 71.18 | 1.35 |
| 189 Duncan | 661 | F01 | 7 | 43. | 43. | 67. | 71. | 82. | 116. | 116. | 116. | 116. | 74. | 24.93 | 70.41 | 1.41 |
| 189 Lawton | 640 | F01 | 9 | 35. | 35. | 58. | 71. | 108. | 121. | 121. | 121. | 121. | 80. | 28.82 | 74.55 | 1.49 |
| | 646 | F01 | 11 | 42. | 47. | 71. | 83. | 94. | 122. | 122. | 122. | 122. | 81. | 26.98 | 76.44 | 1.43 |
| | 650 | F01 | 11 | 18. | 21. | 33. | 41. | 47. | 49. | 57. | 57. | 57. | 39. | 12.09 | 37.41 | 1.44 |
| **OREGON** | | | | | | | | | | | | | | | | |
| 190 Bend | 001 | F01 | 15 | 26. | 29. | 48. | 60. | 69. | 110. | 130. | 130. | 130. | 63. | 30.28 | 56.14 | 1.62 |
| 190 The Dalles | 001 | F01 | 16 | 25. | 26. | 32. | 35. | 51. | 65. | 100. | 100. | 100. | 44. | 19.66 | 40.78 | 1.47 |
| 190 Klamath Falls | 001 | F01 | 9 | 25. | 25. | 35. | 54. | 55. | 150. | 150. | 150. | 150. | 57. | 37.30 | 49.24 | 1.69 |
| 191 Baker | 002 | F01 | 12 | 16. | 20. | 36. | 39. | 64. | 75. | 83. | 83. | 83. | 48. | 21.91 | 43.20 | 1.68 |
| 191 La Grande | 002 | F01 | 14 | 41. | 47. | 53. | 59. | 88. | 170. | 210. | 210. | 210. | 86. | 50.16 | 75.53 | 1.65 |
| 191 Pendleton | 001 | F01 | 15 | 38. | 50. | 62. | 70. | 80. | 240. | 610. | 610. | 610. | 115. | 144.86 | 82.81 | 2.00 |
| 192 Astoria | 002 | F01 | 13 | 15. | 17. | 19. | 23. | 29. | 34. | 46. | 46. | 46. | 25. | 8.71 | 23.77 | 1.38 |
| 193 Albany | 002 | F01 | 15 | 23. | 24. | 30. | 34. | 45. | 58. | 59. | 59. | 59. | 38. | 12.06 | 36.74 | 1.37 |
| 193 Beaverton | 002 | F01 | 15 | 16. | 35. | 39. | 51. | 55. | 60. | 79. | 79. | 79. | 47. | 14.42 | 44.64 | 1.44 |
| 193 Clackamas Co | 002 | F01 | 10 | 24. | 24. | 33. | 56. | 79. | 110. | 120. | 120. | 120. | 64. | 33.64 | 56.11 | 1.77 |
| 193 Corvallis | 001 | F01 | 16 | 13. | 16. | 22. | 25. | 34. | 41. | 44. | 44. | 44. | 28. | 9.30 | 26.48 | 1.42 |
| 193 Eugene | 004 | F03 | 15 | 10. | 13. | 22. | 26. | 36. | 52. | 68. | 68. | 68. | 32. | 16.34 | 27.73 | 1.71 |
| | 006 | F01 | 15 | 25. | 41. | 48. | 59. | 80. | 103. | 105. | 105. | 105. | 66. | 25.86 | 60.85 | 1.52 |
| | 008 | F01 | 16 | 12. | 15. | 20. | 34. | 39. | 83. | 92. | 92. | 92. | 36. | 23.12 | 30.08 | 1.80 |
| 193 Hillsboro | 002 | F03 | 14 | 11. | 18. | 38. | 56. | 65. | 85. | 110. | 110. | 110. | 54. | 28.05 | 45.94 | 1.91 |
| 193 Lake Oswego | 001 | F01 | 15 | 24. | 25. | 44. | 61. | 66. | 93. | 110. | 110. | 110. | 61. | 25.61 | 55.92 | 1.58 |
| 193 Lane Co | 003 | F01 | 16 | 31. | 34. | 39. | 48. | 60. | 86. | 95. | 95. | 95. | 54. | 19.31 | 51.09 | 1.40 |
| 193 Lebanon | 001 | F01 | 16 | 31. | 36. | 40. | 54. | 72. | 96. | 100. | 100. | 100. | 57. | 21.65 | 53.86 | 1.44 |
| 193 Mc Minnville | 002 | F01 | 14 | 14. | 22. | 26. | 29. | 38. | 44. | 47. | 47. | 47. | 32. | 9.62 | 30.18 | 1.39 |
| 193 Milwaukie | 001 | F01 | 13 | 19. | 27. | 33. | 45. | 52. | 72. | 90. | 90. | 90. | 46. | 19.78 | 42.47 | 1.53 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **OREGON — Cont.** | | | | | | | | | | | | | | | | |
| 193 Oakridge | 001 | F01 | 16 | 15. | 17. | 26. | 52. | 68. | 83. | 88. | 88. | 88. | 50. | 25.69 | 42.31 | 1.85 |
| 193 Oregon City | 002 | F02 | 15 | 31. | 34. | 40. | 47. | 66. | 74. | 77. | 77. | 77. | 52. | 15.89 | 49.83 | 1.36 |
| 193 Portland | 001 | P01 | 16 | 28. | 36. | 43. | 45. | 61. | 69. | 108. | 108. | 108. | 53. | 19.03 | 50.76 | 1.38 |
| | 003 | F01 | 15 | 24. | 33. | 42. | 48. | 55. | 61. | 99. | 99. | 99. | 50. | 16.89 | 47.28 | 1.37 |
| | 009 | F02 | 15 | 34. | 41. | 54. | 62. | 87. | 98. | 110. | 110. | 110. | 68. | 23.03 | 64.71 | 1.42 |
| | 011 | F02 | 14 | 38. | 58. | 74. | 83. | 110. | 160. | 180. | 180. | 180. | 98. | 41.01 | 90.36 | 1.54 |
| | 015 | F02 | 16 | 31. | 43. | 50. | 68. | 82. | 110. | 150. | 150. | 150. | 73. | 29.12 | 68.06 | 1.47 |
| | 036 | F02 | 13 | 33. | 33. | 37. | 41. | 61. | 63. | 70. | 70. | 70. | 47. | 13.02 | 44.98 | 1.31 |
| | 068 | F02 | 16 | 19. | 30. | 32. | 43. | 64. | 91. | 110. | 110. | 110. | 51. | 24.12 | 46.04 | 1.57 |
| | 076 | F03 | 15 | 14. | 15. | 31. | 38. | 49. | 58. | 71. | 71. | 71. | 39. | 16.57 | 34.92 | 1.64 |
| | 077 | F01 | 14 | 25. | 36. | 49. | 55. | 67. | 79. | 110. | 110. | 110. | 59. | 21.16 | 55.69 | 1.44 |
| 193 St Helens | 003 | F02 | 15 | 16. | 19. | 27. | 33. | 35. | 53. | 73. | 73. | 73. | 35. | 15.00 | 32.58 | 1.50 |
| 193 Salem | 017 | F01 | 14 | 23. | 27. | 30. | 36. | 45. | 50. | 62. | 62. | 62. | 39. | 10.83 | 37.21 | 1.32 |
| 193 Springfield | 008 | F02 | 16 | 39. | 51. | 71. | 98. | 140. | 163. | 185. | 185. | 185. | 107. | 43.00 | 98.01 | 1.56 |
| | 009 | F01 | 16 | 27. | 52. | 63. | 66. | 95. | 130. | 134. | 134. | 134. | 80. | 29.55 | 74.44 | 1.49 |
| 194 Ashland | 001 | F01 | 15 | 28. | 29. | 35. | 49. | 52. | 68. | 88. | 88. | 88. | 48. | 17.06 | 44.91 | 1.41 |
| 194 Coos Bay | 001 | F01 | 15 | 24. | 24. | 30. | 36. | 47. | 50. | 93. | 93. | 93. | 40. | 17.21 | 37.59 | 1.43 |
| 194 Curry Co | 001 | P03 | 15 | 10. | 14. | 19. | 39. | 51. | 63. | 69. | 69. | 69. | 38. | 19.61 | 32.04 | 1.86 |
| 194 Grants Pass | 001 | F01 | 25 | 14. | 31. | 39. | 49. | 65. | 92. | 96. | 160. | 160. | 57. | 30.99 | 49.90 | 1.72 |
| 194 Medford | 001 | F01 | 16 | 32. | 37. | 55. | 63. | 89. | 130. | 140. | 140. | 140. | 75. | 31.87 | 68.76 | 1.54 |
| 194 Roseburg | 001 | F01 | 15 | 24. | 26. | 33. | 35. | 43. | 54. | 66. | 66. | 66. | 39. | 11.48 | 37.21 | 1.33 |
| **PENNSYLVANIA** | | | | | | | | | | | | | | | | |
| 045 Bristol (borough) | 012 | F01 | 16 | 30. | 31. | 39. | 53. | 62. | 87. | 88. | 88. | 88. | 54. | 18.40 | 51.36 | 1.42 |
| 045 Bucks Co | 105 | F03 | 16 | 28. | 29. | 43. | 52. | 67. | 92. | 113. | 113. | 113. | 58. | 23.56 | 53.80 | 1.50 |
| | 109 | F01 | 15 | 30. | 31. | 46. | 55. | 69. | 78. | 78. | 78. | 78. | 56. | 16.07 | 53.77 | 1.37 |
| | 114 | F01 | 16 | 25. | 28. | 37. | 50. | 57. | 66. | 75. | 75. | 75. | 49. | 14.42 | 46.50 | 1.38 |
| 045 Chester (city) | 002 | F01 | 16 | 39. | 42. | 49. | 57. | 72. | 98. | 117. | 117. | 117. | 65. | 23.37 | 61.17 | 1.40 |
| 045 Chester Co | 115 | F02 | 16 | 40. | 44. | 72. | 81. | 148. | 177. | 183. | 183. | 183. | 103. | 49.93 | 91.59 | 1.65 |
| 045 Conshohocken | 112 | F01 | 16 | 19. | 28. | 47. | 65. | 90. | 148. | 413. | 413. | 413. | 90. | 92.77 | 67.35 | 2.05 |
| 045 Downingtown | 104 | F01 | 16 | 33. | 39. | 56. | 71. | 85. | 134. | 142. | 142. | 142. | 78. | 32.82 | 71.70 | 1.52 |
| 045 Lansdale | 111 | F03 | 16 | 23. | 25. | 41. | 69. | 85. | 100. | 101. | 101. | 101. | 66. | 26.36 | 59.97 | 1.62 |
| 045 Media | 106 | F01 | 16 | 27. | 36. | 45. | 55. | 66. | 77. | 80. | 80. | 80. | 56. | 16.23 | 53.34 | 1.37 |
| 045 Montgomery Co | 103 | F01 | 13 | 28. | 34. | 50. | 56. | 76. | 87. | 91. | 91. | 91. | 61. | 20.35 | 57.39 | 1.44 |
| 045 Philadelphia | 003 | H01 | 78 | 37. | 47. | 59. | 71. | 86. | 113. | 136. | 169. | 169. | 76. | 27.45 | 71.54 | 1.41 |
| | 004 | H01 | 90 | 32. | 45. | 55. | 68. | 86. | 108. | 118. | 152. | 152. | 74. | 25.51 | 69.72 | 1.41 |
| | 014 | H01 | 16 | 27. | 30. | 45. | 51. | 62. | 90. | 94. | 94. | 94. | 56. | 19.57 | 52.87 | 1.43 |
| | 019 | H01 | 15 | 39. | 62. | 71. | 73. | 91. | 126. | 133. | 133. | 133. | 82. | 24.83 | 78.24 | 1.36 |
| | 020 | H01 | 8 | 42. | 42. | 54. | 57. | 76. | 90. | 90. | 90. | 90. | 65. | 16.46 | 63.29 | 1.29 |
| | 021 | H01 | 16 | 47. | 51. | 70. | 77. | 102. | 147. | 150. | 150. | 150. | 87. | 30.72 | 82.44 | 1.41 |
| | 022 | H01 | 16 | 44. | 54. | 72. | 82. | 91. | 126. | 155. | 155. | 155. | 88. | 28.13 | 83.51 | 1.37 |
| | 023 | H01 | 73 | 49. | 61. | 76. | 86. | 115. | 146. | 173. | 263. | 263. | 100. | 39.38 | 93.43 | 1.42 |
| | 024 | H01 | 16 | 27. | 37. | 41. | 56. | 68. | 100. | 108. | 108. | 108. | 60. | 22.78 | 56.46 | 1.47 |
| | 026 | H01 | 12 | 77. | 88. | 101. | 111. | 124. | 156. | 156. | 156. | 156. | 116. | 25.57 | 113.76 | 1.25 |
| | 027 | H01 | 16 | 64. | 77. | 82. | 97. | 120. | 135. | 137. | 137. | 137. | 102. | 23.59 | 99.23 | 1.27 |
| | 028 | H01 | 16 | 54. | 55. | 74. | 82. | 119. | 148. | 172. | 172. | 172. | 97. | 33.96 | 91.38 | 1.41 |
| | 029 | H01 | 16 | 42. | 43. | 49. | 63. | 73. | 104. | 115. | 115. | 115. | 69. | 22.43 | 65.40 | 1.37 |
| 045 Phoenixville | 113 | F01 | 16 | 38. | 47. | 63. | 77. | 95. | 117. | 226. | 226. | 226. | 85. | 44.08 | 77.29 | 1.54 |
| 045 Pottstown | 101 | F01 | 16 | 33. | 47. | 79. | 81. | 97. | 129. | 132. | 132. | 132. | 87. | 29.57 | 81.20 | 1.47 |
| 045 Sharon | 622 | F01 | 16 | 22. | 54. | 65. | 83. | 134. | 164. | 174. | 174. | 174. | 100. | 45.95 | 88.76 | 1.72 |
| 045 West Chester | 110 | F01 | 16 | 31. | 31. | 54. | 62. | 83. | 97. | 140. | 140. | 140. | 68. | 27.67 | 63.08 | 1.50 |
| 151 Allentown | 003 | F01 | 14 | 36. | 37. | 47. | 64. | 69. | 82. | 105. | 105. | 105. | 63. | 19.79 | 59.87 | 1.38 |
| 151 Avoca | 210 | F03 | 15 | 20. | 28. | 42. | 50. | 65. | 81. | 92. | 92. | 92. | 53. | 21.27 | 49.02 | 1.55 |
| 151 Berks Co | 711 | F03 | 16 | 27. | 33. | 48. | 53. | 74. | 90. | 113. | 113. | 113. | 58. | 23.62 | 54.08 | 1.50 |
| | 716 | F01 | 16 | 36. | 44. | 63. | 81. | 97. | 150. | 152. | 152. | 152. | 85. | 34.99 | 78.51 | 1.51 |
| 151 Bethlehem | 017 | F01 | 16 | 48. | 53. | 62. | 79. | 100. | 172. | 193. | 193. | 193. | 97. | 45.48 | 88.03 | 1.55 |
| 151 Dickson City | 202 | F01 | 16 | 27. | 50. | 69. | 83. | 109. | 158. | 163. | 163. | 163. | 94. | 39.98 | 85.17 | 1.59 |
| 151 Easton | 704 | F01 | 16 | 40. | 48. | 56. | 71. | 85. | 96. | 134. | 134. | 134. | 73. | 23.89 | 70.01 | 1.38 |
| 151 Emmaus | 706 | F01 | 16 | 32. | 37. | 43. | 58. | 71. | 86. | 95. | 95. | 95. | 59. | 18.18 | 56.44 | 1.38 |
| 151 Jessup | 203 | F02 | 16 | 39. | 45. | 55. | 61. | 85. | 93. | 105. | 105. | 105. | 68. | 19.46 | 65.77 | 1.34 |
| 151 Laureldale | 717 | F02 | 16 | 55. | 71. | 81. | 99. | 139. | 191. | 196. | 196. | 196. | 116. | 45.38 | 107.82 | 1.47 |
| 151 Luzerne Co | 016 | F02 | 16 | 24. | 25. | 42. | 54. | 68. | 79. | 89. | 89. | 89. | 54. | 18.66 | 51.09 | 1.47 |
| | 201 | F03 | 15 | 28. | 33. | 49. | 60. | 72. | 87. | 87. | 87. | 87. | 60. | 19.13 | 56.59 | 1.41 |
| | 209 | F01 | 15 | 43. | 49. | 67. | 75. | 93. | 119. | 139. | 139. | 139. | 81. | 27.64 | 76.78 | 1.40 |
| 151 Nanticoke | 206 | F01 | 16 | 25. | 27. | 40. | 51. | 71. | 89. | 92. | 92. | 92. | 57. | 22.68 | 52.03 | 1.54 |
| 151 Northampton Co | 702 | F02 | 16 | 34. | 37. | 50. | 52. | 75. | 95. | 105. | 105. | 105. | 62. | 21.25 | 58.44 | 1.42 |
| | 707 | F03 | 15 | 22. | 26. | 30. | 49. | 54. | 76. | 78. | 78. | 78. | 48. | 19.38 | 44.72 | 1.53 |
| 151 Pittston | 204 | F01 | 16 | 44. | 52. | 58. | 67. | 89. | 153. | 235. | 235. | 235. | 86. | 48.22 | 77.71 | 1.55 |

# PARTICULATE, micrograms per cubic meter (25 C)
# HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **PENNSYLVANIA—Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 151 Reading | 712 | F01 | 16 | 40. | 43. | 54. | 67. | 83. | 119. | 134. | 134. | 134. | 74. | 27.28 | 69.40 | 1.43 |
|  | 715 | F02 | 15 | 42. | 47. | 61. | 78. | 87. | 132. | 159. | 159. | 159. | 83. | 33.77 | 77.32 | 1.47 |
| 151 Scranton | 208 | F01 | 14 | 42. | 43. | 63. | 66. | 86. | 123. | 159. | 159. | 159. | 80. | 33.73 | 74.37 | 1.48 |
| 151 Shillington | 713 | F01 | 16 | 24. | 27. | 36. | 47. | 57. | 78. | 79. | 79. | 79. | 49. | 16.89 | 46.31 | 1.43 |
| 151 Sinking Spring | 714 | F01 | 16 | 26. | 42. | 60. | 67. | 98. | 168. | 171. | 171. | 171. | 83. | 44.19 | 73.29 | 1.66 |
| 151 Wilkes-Barre | 207 | F01 | 16 | 52. | 58. | 70. | 103. | 120. | 183. | 195. | 195. | 195. | 106. | 43.12 | 98.25 | 1.49 |
| 178 Erie | 601 | F01 | 13 | 16. | 26. | 55. | 80. | 97. | 122. | 136. | 136. | 136. | 77. | 36.53 | 66.68 | 1.87 |
|  | 602 | F01 | 13 | 35. | 51. | 62. | 120. | 149. | 191. | 301. | 301. | 301. | 125. | 73.77 | 105.57 | 1.86 |
|  | 603 | F01 | 16 | 50. | 56. | 78. | 97. | 128. | 185. | 281. | 281. | 281. | 117. | 60.30 | 104.79 | 1.61 |
|  | 604 | F02 | 13 | 23. | 48. | 104. | 183. | 226. | 302. | 321. | 321. | 321. | 175. | 97.72 | 141.11 | 2.18 |
| 178 Erie Co | 605 | F03 | 15 | 12. | 23. | 45. | 64. | 70. | 98. | 119. | 119. | 119. | 61. | 29.21 | 53.19 | 1.83 |
| 178 Farrell | 621 | F01 | 16 | 49. | 57. | 85. | 95. | 128. | 155. | 241. | 241. | 241. | 110. | 46.00 | 102.59 | 1.48 |
| 178 Lawrence Co | 502 | F02 | 16 | 38. | 54. | 80. | 132. | 189. | 288. | 387. | 387. | 387. | 152. | 97.11 | 125.44 | 1.91 |
| 178 New Castle | 501 | F01 | 15 | 50. | 53. | 88. | 107. | 172. | 241. | 304. | 304. | 304. | 134. | 77.46 | 114.08 | 1.81 |
| 195 Altoona | 821 | F01 | 16 | 46. | 47. | 63. | 73. | 99. | 125. | 156. | 156. | 156. | 86. | 31.20 | 81.10 | 1.43 |
|  | 822 | F01 | 16 | 71. | 72. | 163. | 182. | 208. | 432. | 688. | 688. | 688. | 219. | 155.78 | 180.93 | 1.87 |
| 195 East Conemaugh | 804 | F01 | 16 | 84. | 87. | 105. | 126. | 140. | 257. | 270. | 270. | 270. | 143. | 56.78 | 134.27 | 1.43 |
| 195 Johnstown | 011 | F01 | 16 | 54. | 66. | 75. | 90. | 114. | 176. | 352. | 352. | 352. | 114. | 70.54 | 101.77 | 1.57 |
|  | 802 | F02 | 16 | 44. | 52. | 75. | 85. | 104. | 168. | 205. | 205. | 205. | 96. | 43.44 | 87.73 | 1.52 |
|  | 803 | F01 | 16 | 71. | 77. | 106. | 116. | 135. | 165. | 173. | 173. | 173. | 120. | 29.06 | 116.68 | 1.28 |
|  | 805 | F01 | 16 | 48. | 50. | 58. | 71. | 80. | 118. | 119. | 119. | 119. | 75. | 22.43 | 71.78 | 1.33 |
| 195 Westmont | 801 | F03 | 16 | 32. | 38. | 48. | 63. | 73. | 103. | 104. | 104. | 104. | 64. | 21.57 | 60.68 | 1.41 |
| 195 Williamsport | 401 | F01 | 16 | 36. | 44. | 70. | 78. | 111. | 160. | 186. | 186. | 186. | 92. | 40.44 | 83.71 | 1.56 |
|  | 402 | F01 | 16 | 38. | 47. | 68. | 76. | 98. | 146. | 173. | 173. | 173. | 85. | 35.07 | 78.86 | 1.48 |
| 196 Cumberland Co | 307 | F03 | 16 | 27. | 28. | 36. | 55. | 69. | 97. | 124. | 124. | 124. | 59. | 27.63 | 53.43 | 1.59 |
| 196 Dauphin Co | 302 | F01 | 16 | 31. | 32. | 43. | 56. | 78. | 84. | 103. | 103. | 103. | 61. | 21.52 | 57.11 | 1.45 |
|  | 305 | F01 | 16 | 34. | 36. | 42. | 58. | 75. | 97. | 104. | 104. | 104. | 62. | 22.14 | 57.84 | 1.44 |
| 196 Harrisburg | 306 | F01 | 16 | 38. | 44. | 49. | 68. | 89. | 115. | 150. | 150. | 150. | 76. | 31.54 | 69.81 | 1.50 |
| 196 Lancaster City | 312 | F01 | 16 | 45. | 47. | 60. | 75. | 88. | 126. | 128. | 128. | 128. | 78. | 27.58 | 74.14 | 1.41 |
|  | 314 | F02 | 16 | 45. | 46. | 57. | 73. | 85. | 157. | 166. | 166. | 166. | 83. | 36.13 | 76.73 | 1.47 |
|  | 315 | F01 | 14 | 57. | 59. | 85. | 92. | 123. | 171. | 175. | 175. | 175. | 109. | 38.85 | 102.57 | 1.44 |
| 196 Lancaster Co | 311 | F01 | 16 | 30. | 30. | 41. | 52. | 60. | 99. | 111. | 111. | 111. | 56. | 23.96 | 52.28 | 1.49 |
|  | 313 | F01 | 16 | 38. | 41. | 50. | 67. | 76. | 114. | 139. | 139. | 139. | 72. | 28.81 | 66.85 | 1.46 |
|  | 316 | F01 | 16 | 30. | 31. | 40. | 57. | 61. | 97. | 100. | 100. | 100. | 58. | 21.50 | 54.41 | 1.44 |
|  | 317 | F01 | 16 | 31. | 32. | 55. | 64. | 65. | 97. | 122. | 122. | 122. | 65. | 23.59 | 61.01 | 1.44 |
| 196 Lemoyne | 304 | F01 | 16 | 36. | 49. | 55. | 75. | 95. | 136. | 137. | 137. | 137. | 82. | 30.47 | 76.86 | 1.47 |
| 196 Middletown | 301 | F02 | 16 | 31. | 37. | 52. | 59. | 78. | 109. | 123. | 123. | 123. | 66. | 26.15 | 61.74 | 1.47 |
| 196 Steelton | 303 | F02 | 16 | 61. | 75. | 103. | 127. | 167. | 236. | 237. | 237. | 237. | 141. | 53.81 | 130.87 | 1.49 |
| 196 West York | 321 | F01 | 16 | 45. | 52. | 75. | 85. | 118. | 207. | 754. | 754. | 754. | 141. | 169.48 | 104.25 | 1.96 |
|  | 325 | F02 | 16 | 77. | 80. | 134. | 162. | 238. | 314. | 354. | 354. | 354. | 192. | 85.12 | 173.52 | 1.61 |
| 196 York | 008 | F01 | 14 | 44. | 59. | 91. | 96. | 115. | 161. | 163. | 163. | 163. | 105. | 36.41 | 98.71 | 1.45 |
|  | 322 | F01 | 15 | 47. | 51. | 59. | 75. | 87. | 155. | 182. | 182. | 182. | 83. | 37.80 | 77.35 | 1.46 |
| 196 York Co | 323 | F01 | 16 | 35. | 41. | 47. | 59. | 75. | 115. | 181. | 181. | 181. | 72. | 37.23 | 65.49 | 1.55 |
|  | 324 | F03 | 16 | 27. | 29. | 37. | 53. | 72. | 88. | 98. | 98. | 98. | 56. | 22.69 | 51.82 | 1.54 |
|  | 326 | F01 | 16 | 35. | 57. | 61. | 76. | 96. | 113. | 120. | 120. | 120. | 80. | 22.99 | 76.30 | 1.37 |
| 197 Ambridge | 507 | F01 | 16 | 64. | 73. | 101. | 114. | 125. | 178. | 232. | 232. | 232. | 121. | 41.81 | 115.56 | 1.38 |
| 197 Baden | 508 | F01 | 16 | 64. | 80. | 125. | 156. | 175. | 282. | 304. | 304. | 304. | 157. | 65.04 | 145.34 | 1.52 |
| 197 Beaver Co | 503 | F01 | 16 | 64. | 70. | 87. | 106. | 135. | 178. | 249. | 249. | 249. | 122. | 48.26 | 114.42 | 1.45 |
|  | 505 | F01 | 16 | 51. | 62. | 80. | 90. | 115. | 172. | 224. | 224. | 224. | 107. | 48.80 | 97.82 | 1.52 |
|  | 510 | F03 | 15 | 42. | 51. | 63. | 81. | 100. | 203. | 412. | 412. | 412. | 116. | 94.65 | 94.64 | 1.83 |
| 197 Beaver Falls | 014 | F01 | 16 | 53. | 59. | 73. | 95. | 105. | 173. | 207. | 207. | 207. | 104. | 43.26 | 96.65 | 1.47 |
| 197 Brownsville | 515 | F01 | 16 | 53. | 60. | 67. | 90. | 98. | 133. | 159. | 159. | 159. | 91. | 28.40 | 87.25 | 1.35 |
| 197 Charleroi | 005 | F01 | 16 | 42. | 45. | 65. | 82. | 103. | 145. | 154. | 154. | 154. | 89. | 34.05 | 83.26 | 1.48 |
| 197 Midland | 509 | F02 | 14 | 66. | 115. | 125. | 175. | 255. | 389. | 1123. | 1123. | 1123. | 269. | 265.73 | 204.02 | 2.03 |
| 197 Monessen | 512 | F01 | 16 | 75. | 85. | 113. | 138. | 205. | 292. | 328. | 328. | 328. | 170. | 79.41 | 154.02 | 1.59 |
| 197 New Eagle | 511 | F01 | 14 | 41. | 42. | 66. | 78. | 100. | 130. | 169. | 169. | 169. | 85. | 36.97 | 77.66 | 1.56 |
| 197 Rochester | 506 | F01 | 16 | 70. | 70. | 89. | 103. | 145. | 209. | 308. | 308. | 308. | 124. | 61.22 | 114.16 | 1.49 |
| 197 Washington Co | 513 | F03 | 16 | 41. | 42. | 52. | 64. | 79. | 107. | 119. | 119. | 119. | 68. | 22.88 | 64.41 | 1.39 |
|  | 514 | F01 | 15 | 10. | 47. | 71. | 80. | 86. | 115. | 133. | 133. | 133. | 76. | 29.65 | 67.45 | 1.83 |
| **RHODE ISLAND** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120 Cranston | 001 | F01 | 16 | 32. | 41. | 55. | 69. | 87. | 100. | 120. | 120. | 120. | 70. | 24.13 | 66.16 | 1.44 |
| 120 East Providence | 001 | F01 | 15 | 31. | 42. | 47. | 66. | 70. | 100. | 117. | 117. | 117. | 63. | 22.68 | 59.66 | 1.41 |
|  | 007 | F01 | 15 | 25. | 34. | 47. | 65. | 73. | 125. | 132. | 132. | 132. | 66. | 30.14 | 59.90 | 1.58 |
| 120 Newport | 001 | F01 | 14 | 38. | 44. | 48. | 59. | 72. | 84. | 110. | 110. | 110. | 63. | 20.02 | 60.38 | 1.35 |
| 120 Pawtucket | 002 | F01 | 16 | 29. | 40. | 45. | 60. | 72. | 117. | 130. | 130. | 130. | 65. | 27.84 | 60.56 | 1.49 |
| 120 Providence | 005 | F01 | 13 | 31. | 47. | 55. | 71. | 83. | 117. | 151. | 151. | 151. | 75. | 31.55 | 69.32 | 1.50 |
|  | 006 | F01 | 56 | 38. | 50. | 66. | 80. | 91. | 130. | 143. | 248. | 248. | 84. | 34.47 | 78.91 | 1.43 |

# PARTICULATE, micrograms per cubic meter (25 C)
# HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **RHODE ISLAND — Cont.** | | | | | | | | | | | | | | | | |
| | 007 | F01 | 14 | 54. | 99. | 103. | 111. | 120. | 173. | 218. | 218. | 218. | 121. | 38.81 | 115.55 | 1.37 |
| | 008 | F01 | 13 | 31. | 36. | 47. | 68. | 77. | 121. | 124. | 124. | 124. | 67. | 29.14 | 61.24 | 1.52 |
| 120 Tiverton | 001 | F01 | 9 | 28. | 28. | 31. | 52. | 60. | 118. | 118. | 118. | 118. | 55. | 28.92 | 49.23 | 1.62 |
| 120 Washington Co | 002 | F03 | 10 | 22. | 22. | 44. | 47. | 63. | 95. | 97. | 97. | 97. | 58. | 25.29 | 53.01 | 1.59 |
| | 002 | F05 | 14 | 21. | 21. | 43. | 46. | 53. | 75. | 105. | 105. | 105. | 49. | 22.43 | 44.64 | 1.59 |
| 120 Westerly | 002 | F01 | 13 | 15. | 41. | 46. | 67. | 73. | 95. | 118. | 118. | 118. | 65. | 25.61 | 58.88 | 1.66 |
| 120 Woonsocket | 001 | F01 | 16 | 31. | 36. | 45. | 56. | 72. | 103. | 116. | 116. | 116. | 64. | 24.11 | 59.58 | 1.45 |
| **SOUTH CAROLINA** | | | | | | | | | | | | | | | | |
| 053 Aiken | 001 | F01 | 5 | 36. | 36. | 49. | 65. | 69. | 89. | 89. | 89. | 89. | | | | |
| 053 Aiken Co | 001 | F01 | 5 | 50. | 50. | 54. | 65. | 68. | 73. | 73. | 73. | 73. | | | | |
| 053 Allendale | 001 | F01 | 5 | 49. | 49. | 49. | 67. | 68. | 72. | 72. | 72. | 72. | | | | |
| 053 North Augusta | 001 | F01 | 5 | 42. | 42. | 68. | 72. | 127. | 202. | 202. | 202. | 202. | | | | |
| 053 Orangeburg | 001 | F01 | 5 | 44. | 44. | 44. | 56. | 60. | 65. | 65. | 65. | 65. | | | | |
| 167 Chester Co | 001 | F01 | 4 | 29. | 29. | 33. | 33. | 52. | 84. | 84. | 84. | 84. | | | | |
| 167 Lancaster | 001 | F01 | 5 | 44. | 44. | 56. | 72. | 88. | 92. | 92. | 92. | 92. | | | | |
| 167 Rock Hill | 001 | F01 | 5 | 47. | 47. | 53. | 71. | 85. | 92. | 92. | 92. | 92. | | | | |
| | 002 | F01 | 21 | 30. | 33. | 41. | 51. | 69. | 81. | 94. | 106. | 106. | | | | |
| 167 York Co | 001 | F03 | 3 | 49. | 49. | 49. | 67. | 92. | 92. | 92. | 92. | 92. | | | | |
| 198 Bishopville | 001 | F01 | 5 | 13. | 13. | 60. | 69. | 77. | 84. | 84. | 84. | 84. | | | | |
| 198 Camden | 001 | F01 | 5 | 9. | 9. | 52. | 74. | 81. | 85. | 85. | 85. | 85. | | | | |
| 198 Sumter | 001 | F01 | 5 | 20. | 20. | 64. | 83. | 84. | 88. | 88. | 88. | 88. | | | | |
| | 003 | F01 | 5 | 45. | 45. | 68. | 91. | 115. | 118. | 118. | 118. | 118. | | | | |
| 199 Berkeley Co | 001 | F01 | 5 | 39. | 39. | 62. | 65. | 82. | 105. | 105. | 105. | 105. | | | | |
| 199 Charleston | 001 | G01 | 6 | 43. | 43. | 45. | 60. | 64. | 116. | 116. | 116. | 116. | | | | |
| 199 Charleston Co | 003 | F02 | 5 | 53. | 53. | 74. | 82. | 90. | 115. | 115. | 115. | 115. | | | | |
| | 019 | F05 | 26 | 25. | 41. | 46. | 54. | 65. | 77. | 78. | 82. | 82. | | | | |
| | 037 | F01 | 5 | 47. | 47. | 52. | 71. | 72. | 90. | 90. | 90. | 90. | | | | |
| | 038 | F01 | 29 | 59. | 65. | 93. | 102. | 116. | 148. | 152. | 171. | 171. | | | | |
| | 039 | F02 | 24 | 35. | 41. | 53. | 72. | 87. | 158. | 199. | 320. | 320. | | | | |
| | 040 | F05 | 26 | 33. | 62. | 76. | 90. | 103. | 127. | 127. | 158. | 158. | | | | |
| 199 Dorchester Co | 001 | F01 | 5 | 37. | 37. | 50. | 65. | 67. | 90. | 90. | 90. | 90. | | | | |
| 199 Goose Creek | 001 | F01 | 5 | 65. | 65. | 111. | 115. | 136. | 142. | 142. | 142. | 142. | | | | |
| 199 Mount Pleasant | 001 | F01 | 5 | 36. | 36. | 39. | 54. | 61. | 86. | 86. | 86. | 86. | | | | |
| 200 Columbia | 003 | F01 | 4 | 37. | 37. | 38. | 38. | 52. | 79. | 79. | 79. | 79. | | | | |
| | 005 | F01 | 3 | 66. | 66. | 66. | 70. | 73. | 73. | 73. | 73. | 73. | | | | |
| | 006 | F01 | 5 | 49. | 49. | 52. | 66. | 80. | 85. | 85. | 85. | 85. | | | | |
| | 011 | F01 | 1 | 45. | 45. | 45. | 45. | 45. | 45. | 45. | 45. | 45. | | | | |
| 200 Newberry | 001 | F01 | 5 | 40. | 40. | 43. | 62. | 74. | 103. | 103. | 103. | 103. | | | | |
| 200 Richland Co | 002 | F03 | 5 | 34. | 34. | 36. | 59. | 63. | 67. | 67. | 67. | 67. | | | | |
| | 003 | F01 | 18 | 32. | 45. | 57. | 61. | 88. | 97. | 98. | 98. | 98. | | | | |
| 200 West Columbia | 001 | F01 | 5 | 51. | 51. | 52. | 58. | 71. | 78. | 78. | 78. | 78. | | | | |
| 201 Darlington | 001 | F01 | 3 | 66. | 66. | 66. | 102. | 114. | 114. | 114. | 114. | 114. | | | | |
| 201 Dillon | 001 | F01 | 5 | 43. | 43. | 64. | 90. | 93. | 102. | 102. | 102. | 102. | | | | |
| 201 Florence | 001 | F01 | 5 | 64. | 64. | 73. | 78. | 122. | 131. | 131. | 131. | 131. | | | | |
| 202 Anderson | 001 | F01 | 5 | 47. | 47. | 60. | 75. | 86. | 94. | 94. | 94. | 94. | | | | |
| 202 Gaffney | 001 | F01 | 3 | 56. | 56. | 56. | 82. | 104. | 104. | 104. | 104. | 104. | | | | |
| 202 Greenville | 001 | F01 | 25 | 32. | 36. | 62. | 83. | 88. | 99. | 100. | 111. | 111. | | | | |
| | 002 | F01 | 5 | 59. | 59. | 91. | 101. | 115. | 119. | 119. | 119. | 119. | | | | |
| | 003 | F01 | 1 | 96. | 96. | 96. | 96. | 96. | 96. | 96. | 96. | 96. | | | | |
| 202 Greenville Co | 002 | F01 | 5 | 68. | 68. | 78. | 88. | 93. | 122. | 122. | 122. | 122. | | | | |
| | 003 | F03 | 5 | 38. | 38. | 43. | 44. | 62. | 72. | 72. | 72. | 72. | | | | |
| | 006 | F01 | 5 | 53. | 53. | 67. | 71. | 75. | 101. | 101. | 101. | 101. | | | | |
| 202 Greer | 002 | F01 | 5 | 52. | 52. | 65. | 67. | 89. | 117. | 117. | 117. | 117. | | | | |
| 202 Pickens | 001 | F01 | 5 | 50. | 50. | 67. | 81. | 97. | 99. | 99. | 99. | 99. | | | | |
| 202 Simpsonville | 001 | F01 | 5 | 52. | 52. | 65. | 75. | 90. | 124. | 124. | 124. | 124. | | | | |
| 202 Spartanburg | 001 | F01 | 4 | 50. | 50. | 71. | 71. | 81. | 125. | 125. | 125. | 125. | | | | |
| | 004 | F01 | 5 | 46. | 46. | 74. | 74. | 76. | 143. | 143. | 143. | 143. | | | | |
| | 006 | F01 | 3 | 36. | 36. | 36. | 40. | 62. | 62. | 62. | 62. | 62. | | | | |
| 202 Spartanburg Co | 004 | F01 | 4 | 42. | 42. | 56. | 56. | 58. | 76. | 76. | 76. | 76. | | | | |
| 202 Woodruff | 001 | F01 | 5 | 47. | 47. | 47. | 57. | 60. | 85. | 85. | 85. | 85. | | | | |
| 203 Greenwood | 001 | F01 | 5 | 35. | 35. | 41. | 60. | 68. | 71. | 71. | 71. | 71. | | | | |
| 203 Laurens | 001 | F01 | 5 | 46. | 46. | 52. | 63. | 70. | 73. | 73. | 73. | 73. | | | | |
| 204 Conway | 006 | F01 | 5 | 29. | 29. | 36. | 42. | 61. | 73. | 73. | 73. | 73. | | | | |
| 204 Georgetown | 001 | F01 | 5 | 70. | 70. | 79. | 89. | 98. | 118. | 118. | 118. | 118. | | | | |
| | 002 | F01 | 10 | 65. | 65. | 74. | 97. | 115. | 139. | 214. | 214. | 214. | | | | |
| | 003 | F05 | 5 | 13. | 13. | 38. | 43. | 67. | 84. | 84. | 84. | 84. | | | | |
| | 005 | F05 | 10 | 48. | 48. | 61. | 76. | 91. | 141. | 247. | 247. | 247. | | | | |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SOUTH CAROLINA—Cont.** | | | | | | | | | | | | | | | | |
| | 006 | F01 | 10 | 47. | 47. | 64. | 75. | 86. | 115. | 120. | 120. | 120. | | | | |
| **SOUTH DAKOTA** | | | | | | | | | | | | | | | | |
| 087 Sioux Falls | 001 | P01 | 4 | 39. | 39. | 52. | 52. | 70. | 129. | 129. | 129. | 129. | | | | |
| | 002 | F01 | 12 | 27. | 28. | 38. | 48. | 68. | 121. | 140. | 140. | 140. | 61. | 36.76 | 53.39 | 1.71 |
| | 003 | F01 | 16 | 43. | 46. | 63. | 70. | 100. | 154. | 156. | 156. | 156. | 82. | 34.70 | 75.71 | 1.48 |
| | 004 | F01 | 16 | 27. | 33. | 42. | 45. | 59. | 116. | 125. | 125. | 125. | 57. | 28.24 | 52.21 | 1.53 |
| 205 Black Hills Nat Forest | 001 | P03 | 5 | 7. | 7. | 7. | 9. | 10. | 12. | 12. | 12. | 12. | | | | |
| 205 Hot Springs | 001 | F03 | 9 | 27. | 27. | 35. | 42. | 57. | 211. | 211. | 211. | 211. | 65. | 59.43 | 51.12 | 1.96 |
| 205 Pennington Co | 001 | F03 | 6 | 35. | 35. | 36. | 50. | 66. | 88. | 88. | 88. | 88. | 54. | 20.11 | 51.65 | 1.43 |
| 205 Perkins Co | 001 | F03 | 12 | 7. | 15. | 17. | 21. | 66. | 78. | 295. | 295. | 295. | 57. | 78.90 | 33.33 | 2.76 |
| | 001 | F05 | 14 | 6. | 15. | 18. | 32. | 46. | 64. | 278. | 278. | 278. | 49. | 68.05 | 31.51 | 2.43 |
| 205 Rapid City | 001 | F01 | 14 | 42. | 52. | 61. | 71. | 96. | 164. | 293. | 293. | 293. | 97. | 65.66 | 83.92 | 1.69 |
| | 002 | F01 | 16 | 31. | 31. | 42. | 50. | 64. | 82. | 288. | 288. | 288. | 65. | 61.14 | 54.12 | 1.70 |
| | 005 | F01 | 16 | 20. | 50. | 64. | 70. | 111. | 128. | 301. | 301. | 301. | 95. | 62.79 | 80.73 | 1.78 |
| | 006 | F01 | 14 | 19. | 22. | 32. | 42. | 54. | 62. | 72. | 72. | 72. | 44. | 16.33 | 40.60 | 1.50 |
| 205 Spearfish | 001 | F02 | 4 | 32. | 32. | 34. | 34. | 57. | 91. | 91. | 91. | 91. | | | | |
| 206 Aberdeen | 001 | F01 | 4 | 63. | 63. | 63. | 63. | 102. | 154. | 154. | 154. | 154. | | | | |
| 206 Brookings | 001 | F01 | 13 | 21. | 29. | 34. | 51. | 59. | 106. | 141. | 141. | 141. | 56. | 33.27 | 49.25 | 1.68 |
| 206 Harding Co | 001 | F03 | 2 | 15. | 15. | 15. | 15. | 16. | 16. | 16. | 16. | 16. | | | | |
| 206 Huron | 001 | F01 | 13 | 35. | 41. | 44. | 57. | 66. | 80. | 128. | 128. | 128. | 62. | 23.96 | 58.59 | 1.41 |
| 206 Mitchell | 001 | F01 | 10 | 44. | 44. | 47. | 61. | 72. | 108. | 150. | 150. | 150. | 72. | 33.37 | 66.81 | 1.48 |
| 206 Pierre | 001 | F01 | 15 | 44. | 45. | 52. | 60. | 76. | 106. | 126. | 126. | 126. | 69. | 23.88 | 65.72 | 1.37 |
| 206 Watertown | 001 | F01 | 12 | 41. | 42. | 54. | 72. | 120. | 143. | 175. | 175. | 175. | 88. | 44.03 | 78.89 | 1.63 |
| 206 Yankton | 001 | F03 | 13 | 35. | 47. | 55. | 72. | 87. | 101. | 128. | 128. | 128. | 73. | 24.29 | 69.55 | 1.40 |
| **TENNESSEE** | | | | | | | | | | | | | | | | |
| 007 Cookeville | 001 | F01 | 15 | 20. | 33. | 53. | 62. | 113. | 123. | 129. | 129. | 129. | 78. | 37.18 | 68.61 | 1.75 |
| | 002 | F01 | 15 | 17. | 20. | 35. | 38. | 50. | 90. | 112. | 112. | 112. | 49. | 27.27 | 42.36 | 1.71 |
| 007 Crossville | 001 | F01 | 7 | 16. | 16. | 48. | 51. | 72. | 89. | 89. | 89. | 89. | 56. | 26.56 | 48.71 | 1.83 |
| 007 Mc Minnville | 001 | F01 | 8 | 25. | 25. | 38. | 60. | 64. | 108. | 108. | 108. | 108. | 60. | 28.14 | 53.59 | 1.65 |
| 007 Marion Co | 001 | F01 | 14 | 20. | 32. | 42. | 48. | 75. | 88. | 116. | 116. | 116. | 58. | 25.82 | 52.90 | 1.59 |
| 007 Tullahoma | 001 | F01 | 7 | 46. | 46. | 76. | 79. | 86. | 163. | 163. | 163. | 163. | 95. | 42.92 | 87.68 | 1.55 |
| | 002 | F01 | 7 | 27. | 27. | 52. | 54. | 60. | 92. | 92. | 92. | 92. | 59. | 21.86 | 55.02 | 1.50 |
| 018 Collierville | 001 | G01 | 14 | 47. | 49. | 61. | 68. | 85. | 151. | 163. | 163. | 163. | 82. | 35.82 | 76.19 | 1.47 |
| 018 Memphis | 013 | G01 | 13 | 62. | 66. | 78. | 113. | 141. | 163. | 226. | 226. | 226. | 118. | 47.19 | 109.90 | 1.48 |
| | 014 | G01 | 16 | 43. | 50. | 63. | 83. | 101. | 178. | 184. | 184. | 184. | 93. | 40.67 | 85.51 | 1.51 |
| | 016 | G01 | 16 | 54. | 60. | 75. | 90. | 110. | 164. | 168. | 168. | 168. | 102. | 37.60 | 95.64 | 1.44 |
| | 018 | G01 | 15 | 37. | 46. | 62. | 75. | 105. | 130. | 149. | 149. | 149. | 83. | 32.41 | 77.18 | 1.49 |
| | 021 | G01 | 16 | 49. | 52. | 65. | 71. | 111. | 133. | 154. | 154. | 154. | 85. | 32.46 | 80.15 | 1.43 |
| | 022 | G01 | 16 | 41. | 46. | 64. | 80. | 107. | 127. | 183. | 183. | 183. | 86. | 36.68 | 79.29 | 1.51 |
| | 023 | G01 | 16 | 43. | 51. | 75. | 80. | 128. | 139. | 215. | 215. | 215. | 100. | 42.97 | 92.40 | 1.51 |
| | 024 | G01 | 15 | 49. | 57. | 86. | 106. | 120. | 169. | 192. | 192. | 192. | 108. | 40.28 | 100.70 | 1.47 |
| 018 Shelby Co | 001 | G01 | 8 | 29. | 29. | 43. | 87. | 114. | 147. | 147. | 147. | 147. | 84. | 42.90 | 72.55 | 1.82 |
| | 002 | G01 | 16 | 28. | 33. | 38. | 48. | 67. | 107. | 111. | 111. | 111. | 58. | 25.89 | 52.89 | 1.53 |
| 055 Chattanooga | 006 | G01 | 16 | 59. | 72. | 95. | 112. | 133. | 200. | 216. | 216. | 216. | 121. | 44.86 | 114.20 | 1.44 |
| | 015 | G01 | 15 | 43. | 50. | 63. | 83. | 98. | 114. | 134. | 134. | 134. | 83. | 27.10 | 78.48 | 1.41 |
| | 017 | G01 | 15 | 34. | 40. | 45. | 53. | 68. | 84. | 101. | 101. | 101. | 59. | 18.14 | 56.24 | 1.35 |
| | 019 | G01 | 16 | 43. | 60. | 73. | 86. | 109. | 141. | 143. | 143. | 143. | 92. | 30.13 | 87.77 | 1.40 |
| | 020 | G01 | 16 | 48. | 50. | 70. | 92. | 105. | 129. | 170. | 170. | 170. | 93. | 32.04 | 88.31 | 1.42 |
| | 021 | G01 | 16 | 22. | 29. | 39. | 47. | 56. | 74. | 81. | 81. | 81. | 51. | 16.94 | 47.82 | 1.42 |
| | 024 | G01 | 15 | 58. | 63. | 88. | 106. | 134. | 168. | 195. | 195. | 195. | 111. | 39.22 | 104.82 | 1.43 |
| 055 East Ridge | 001 | G01 | 15 | 36. | 50. | 62. | 79. | 86. | 96. | 126. | 126. | 126. | 74. | 23.09 | 70.64 | 1.38 |
| 055 Hamilton Co | 002 | G01 | 15 | 37. | 47. | 53. | 66. | 73. | 86. | 101. | 101. | 101. | 65. | 16.95 | 62.74 | 1.30 |
| 055 Red Bank | 003 | G01 | 16 | 34. | 40. | 61. | 63. | 80. | 93. | 97. | 97. | 97. | 69. | 18.06 | 66.41 | 1.34 |
| 055 Signal Mountain | 001 | G01 | 16 | 33. | 34. | 65. | 72. | 83. | 104. | 114. | 114. | 114. | 72. | 21.49 | 68.87 | 1.40 |
| 207 Alcoa | 001 | F01 | 14 | 21. | 34. | 64. | 83. | 100. | 135. | 178. | 178. | 178. | 86. | 42.18 | 75.78 | 1.77 |
| 207 Athens | 001 | F01 | 15 | 24. | 28. | 54. | 67. | 78. | 127. | 132. | 132. | 132. | 70. | 32.54 | 62.78 | 1.67 |
| 207 Bristol | 002 | F01 | 15 | 20. | 30. | 39. | 51. | 76. | 94. | 97. | 97. | 97. | 57. | 24.22 | 51.65 | 1.58 |
| 207 Campbell Co | 004 | J02 | 12 | 26. | 26. | 34. | 38. | 41. | 55. | 60. | 60. | 60. | 39. | 10.69 | 37.82 | 1.31 |
| | 005 | J02 | 13 | 19. | 28. | 32. | 38. | 42. | 48. | 65. | 65. | 65. | 39. | 11.14 | 37.28 | 1.35 |
| | 006 | J02 | 14 | 24. | 30. | 39. | 47. | 72. | 171. | 211. | 211. | 211. | 73. | 54.59 | 60.06 | 1.87 |
| 207 Chattanooga | 025 | G01 | 16 | 35. | 36. | 53. | 64. | 76. | 83. | 108. | 108. | 108. | 65. | 18.89 | 62.28 | 1.36 |
| 207 Cleveland | 001 | F01 | 13 | 37. | 39. | 59. | 66. | 89. | 133. | 135. | 135. | 135. | 76. | 31.02 | 70.16 | 1.49 |
| | 002 | F01 | 15 | 35. | 35. | 52. | 66. | 75. | 109. | 110. | 110. | 110. | 69. | 25.74 | 63.94 | 1.48 |
| 207 Clinton | 002 | F01 | 7 | 38. | 38. | 59. | 63. | 79. | 124. | 124. | 124. | 124. | 73. | 28.99 | 68.35 | 1.48 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **TENNESSEE — Cont.** | | | | | | | | | | | | | | | | |
| 207 Elizabethton | 001 | F01 | 13 | 40. | 51. | 61. | 72. | 98. | 129. | 154. | 154. | 154. | 82. | 32.24 | 76.94 | 1.46 |
| 207 Greeneville | 001 | F01 | 5 | 34. | 34. | 54. | 66. | 101. | 145. | 145. | 145. | 145. | 80. | 43.74 | 70.77 | 1.75 |
| | 002 | F01 | 5 | 41. | 41. | 124. | 147. | 150. | 156. | 156. | 156. | 156. | 124. | 47.74 | 111.83 | 1.76 |
| 207 Harriman | 002 | F01 | 15 | 30. | 39. | 55. | 76. | 93. | 110. | 141. | 141. | 141. | 77. | 30.29 | 71.53 | 1.53 |
| 207 Johnson City | 002 | F01 | 7 | 93. | 93. | 118. | 126. | 126. | 198. | 198. | 198. | 198. | 133. | 37.45 | 129.29 | 1.31 |
| 207 Kingsport | 001 | F01 | 14 | 29. | 29. | 48. | 63. | 85. | 111. | 113. | 113. | 113. | 66. | 28.10 | 60.50 | 1.57 |
| | 002 | F01 | 14 | 50. | 67. | 102. | 114. | 134. | 235. | 256. | 256. | 256. | 132. | 62.11 | 119.42 | 1.60 |
| | 002 | J01 | 15 | 41. | 43. | 86. | 107. | 123. | 145. | 187. | 187. | 187. | 103. | 39.88 | 94.76 | 1.55 |
| | 006 | J02 | 10 | 29. | 29. | 47. | 61. | 87. | 111. | 111. | 111. | 111. | | | | |
| | 007 | J02 | 9 | 26. | 26. | 39. | 53. | 84. | 103. | 103. | 103. | 103. | | | | |
| | 009 | J02 | 9 | 18. | 18. | 37. | 63. | 72. | 94. | 94. | 94. | 94. | | | | |
| | 011 | J01 | 14 | 30. | 34. | 46. | 50. | 65. | 82. | 88. | 88. | 88. | 56. | 17.61 | 53.87 | 1.38 |
| 207 Kingston | 002 | F01 | 14 | 23. | 26. | 58. | 72. | 89. | 126. | 138. | 138. | 138. | 76. | 36.53 | 66.65 | 1.76 |
| 207 Knox Co | 012 | G01 | 15 | 25. | 26. | 39. | 58. | 66. | 71. | 82. | 82. | 82. | 53. | 17.96 | 49.44 | 1.46 |
| | 014 | G03 | 13 | 27. | 34. | 42. | 58. | 75. | 80. | 90. | 90. | 90. | 58. | 20.09 | 54.36 | 1.46 |
| | 019 | G01 | 12 | 27. | 32. | 41. | 46. | 86. | 91. | 96. | 96. | 96. | 60. | 26.04 | 54.74 | 1.57 |
| 207 Knoxville | 003 | G01 | 15 | 39. | 47. | 50. | 76. | 85. | 112. | 171. | 171. | 171. | 78. | 35.04 | 71.40 | 1.52 |
| | 005 | G01 | 15 | 45. | 47. | 61. | 81. | 98. | 117. | 156. | 156. | 156. | 83. | 29.22 | 78.13 | 1.41 |
| | 006 | G01 | 12 | 29. | 42. | 49. | 52. | 79. | 87. | 89. | 89. | 89. | 62. | 20.35 | 58.31 | 1.43 |
| | 007 | G01 | 13 | 39. | 41. | 44. | 61. | 86. | 91. | 92. | 92. | 92. | 65. | 21.67 | 61.57 | 1.41 |
| | 008 | G01 | 12 | 41. | 49. | 54. | 84. | 102. | 134. | 142. | 142. | 142. | 84. | 33.21 | 78.02 | 1.50 |
| 207 La Follette | 001 | F01 | 7 | 37. | 37. | 69. | 89. | 101. | 158. | 158. | 158. | 158. | 89. | 40.86 | 81.02 | 1.63 |
| 207 Maryville | 001 | F01 | 15 | 28. | 31. | 64. | 72. | 85. | 116. | 131. | 131. | 131. | 75. | 29.00 | 69.52 | 1.55 |
| 207 Morristown | 001 | F01 | 15 | 35. | 54. | 81. | 95. | 108. | 142. | 150. | 150. | 150. | 96. | 34.78 | 88.93 | 1.51 |
| | 002 | F01 | 15 | 23. | 28. | 49. | 66. | 88. | 128. | 155. | 155. | 155. | 73. | 37.00 | 64.47 | 1.71 |
| 207 Oak Ridge | 002 | F01 | 7 | 36. | 36. | 79. | 88. | 88. | 128. | 128. | 128. | 128. | 87. | 31.47 | 80.81 | 1.53 |
| 207 Polk Co | 001 | F01 | 11 | 62. | 64. | 76. | 79. | 85. | 104. | 115. | 115. | 115. | 83. | 16.17 | 81.27 | 1.21 |
| | 004 | J02 | 9 | 24. | 24. | 34. | 57. | 78. | 146. | 146. | 146. | 146. | 61. | 37.14 | 53.18 | 1.74 |
| | 005 | J02 | 10 | 24. | 24. | 36. | 40. | 62. | 75. | 78. | 78. | 78. | 51. | 19.64 | 47.86 | 1.50 |
| 207 Rockwood | 002 | F01 | 14 | 30. | 47. | 71. | 84. | 100. | 127. | 144. | 144. | 144. | 88. | 33.11 | 81.13 | 1.55 |
| 208 Clarksville | 001 | F01 | 5 | 21. | 21. | 43. | 60. | 87. | 95. | 95. | 95. | 95. | 61. | 30.65 | 53.73 | 1.85 |
| | 002 | F01 | 7 | 40. | 40. | 74. | 86. | 98. | 151. | 151. | 151. | 151. | 92. | 37.53 | 85.27 | 1.55 |
| 208 Columbia | 001 | F01 | 15 | 29. | 41. | 87. | 109. | 137. | 264. | 275. | 275. | 275. | 127. | 72.42 | 108.14 | 1.86 |
| | 002 | F01 | 15 | 42. | 49. | 73. | 83. | 127. | 151. | 152. | 152. | 152. | 99. | 37.52 | 92.25 | 1.51 |
| 208 Franklin | 001 | F01 | 12 | 27. | 59. | 69. | 81. | 118. | 128. | 132. | 132. | 132. | 90. | 33.37 | 83.08 | 1.58 |
| 208 Gallatin | 002 | F01 | 6 | 26. | 26. | 55. | 57. | 96. | 112. | 112. | 112. | 112. | 68. | 30.98 | 61.71 | 1.67 |
| 208 Humphreys Co | 014 | F02 | 14 | 20. | 21. | 40. | 45. | 59. | 88. | 139. | 139. | 139. | 55. | 30.80 | 48.67 | 1.69 |
| 208 Lebanon | 001 | F01 | 6 | 46. | 46. | 54. | 54. | 80. | 95. | 95. | 95. | 95. | 66. | 18.59 | 63.45 | 1.31 |
| 208 Maury Co | 001 | J02 | 15 | 37. | 47. | 72. | 105. | 256. | 373. | 463. | 463. | 463. | 174. | 142.88 | 126.77 | 2.28 |
| | 002 | J02 | 15 | 52. | 52. | 57. | 93. | 168. | 224. | 437. | 437. | 437. | 131. | 102.83 | 105.10 | 1.92 |
| | 003 | J02 | 15 | 38. | 40. | 47. | 63. | 69. | 120. | 135. | 135. | 135. | 69. | 31.44 | 63.57 | 1.51 |
| | 004 | J02 | 15 | 69. | 75. | 82. | 98. | 115. | 139. | 267. | 267. | 267. | 108. | 48.08 | 101.93 | 1.39 |
| | 005 | J02 | 14 | 61. | 80. | 86. | 155. | 197. | 300. | 372. | 372. | 372. | 166. | 94.23 | 142.38 | 1.78 |
| | 006 | J02 | 15 | 36. | 49. | 63. | 76. | 89. | 113. | 122. | 122. | 122. | 76. | 24.41 | 72.24 | 1.40 |
| | 007 | J02 | 15 | 29. | 30. | 66. | 79. | 102. | 111. | 160. | 160. | 160. | 81. | 36.08 | 72.81 | 1.66 |
| | 008 | J02 | 15 | 40. | 46. | 71. | 90. | 120. | 312. | 317. | 317. | 317. | 118. | 86.98 | 97.08 | 1.87 |
| | 009 | J02 | 15 | 47. | 51. | 88. | 113. | 137. | 200. | 220. | 220. | 220. | 120. | 54.38 | 107.88 | 1.62 |
| 208 Murfreesboro | 001 | F01 | 8 | 30. | 30. | 46. | 48. | 73. | 76. | 76. | 76. | 76. | 55. | 17.05 | 52.99 | 1.38 |
| | 002 | F01 | 6 | 55. | 55. | 58. | 79. | 100. | 125. | 125. | 125. | 125. | 84. | 26.37 | 80.12 | 1.37 |
| 208 Nashville | 002 | G01 | 16 | 48. | 53. | 61. | 84. | 106. | 141. | 170. | 170. | 170. | 91. | 36.02 | 85.00 | 1.47 |
| | 004 | G01 | 16 | 33. | 43. | 50. | 54. | 87. | 112. | 126. | 126. | 126. | 69. | 27.15 | 64.57 | 1.47 |
| | 006 | G01 | 16 | 53. | 57. | 68. | 98. | 111. | 165. | 167. | 167. | 167. | 99. | 37.30 | 92.60 | 1.46 |
| | 011 | G01 | 71 | 35. | 51. | 63. | 73. | 84. | 111. | 128. | 160. | 160. | 78. | 25.87 | 74.62 | 1.37 |
| | 012 | G01 | 27 | 41. | 47. | 67. | 79. | 88. | 121. | 123. | 143. | 143. | 81. | 28.31 | 76.72 | 1.42 |
| | 015 | G01 | 16 | 35. | 43. | 57. | 66. | 93. | 119. | 123. | 123. | 123. | 76. | 28.74 | 71.13 | 1.48 |
| | 016 | G01 | 14 | 43. | 50. | 55. | 67. | 86. | 108. | 119. | 119. | 119. | 73. | 23.37 | 69.56 | 1.37 |
| | 017 | G01 | 16 | 29. | 30. | 33. | 39. | 49 | 59. | 64. | 64. | 64. | 43. | 10.94 | 41.54 | 1.29 |
| | 018 | G01 | 4 | 42. | 42. | 48. | 48. | 62. | 88. | 88. | 88. | 88. | | | | |
| | 019 | G03 | 14 | 32. | 32. | 47. | 51. | 78. | 90. | 106. | 106. | 106. | 62. | 23.83 | 57.71 | 1.48 |
| | 020 | G01 | 15 | 29. | 32. | 38. | 45. | 59. | 73. | 98. | 98. | 98. | 51. | 18.63 | 47.79 | 1.40 |
| | 023 | G01 | 16 | 40. | 43. | 56. | 74. | 92. | 120. | 129. | 129. | 129. | 76. | 27.00 | 71.90 | 1.43 |
| | 024 | G01 | 31 | 42. | 52. | 65. | 98. | 138. | 182. | 216. | 297. | 297. | 115. | 62.67 | 100.26 | 1.70 |
| | 025 | G01 | 11 | 39. | 41. | 53. | 68. | 79. | 104. | 128. | 128. | 128. | 72. | 28.26 | 67.00 | 1.47 |
| 208 Shelbyville | 001 | F01 | 6 | 44. | 44. | 63. | 78. | 127. | 129. | 129. | 129. | 129. | 88. | 34.29 | 81.71 | 1.51 |
| 208 Springfield | 001 | F01 | 6 | 29. | 29. | 67. | 68. | 91. | 109. | 109. | 109. | 109. | 73. | 26.90 | 67.78 | 1.58 |
| 209 Dyersburg | 001 | F01 | 15 | 30. | 53. | 76. | 106. | 131. | 161. | 180. | 180. | 180. | 102. | 42.70 | 92.83 | 1.61 |
| | 002 | F01 | 13 | 33. | 45. | 68. | 98. | 141. | 171. | 217. | 217. | 217. | 106. | 54.99 | 92.81 | 1.75 |
| 209 Hardin Co | 001 | J02 | 13 | 16. | 20. | 34. | 47. | 67. | 84. | 120. | 120. | 120. | 54. | 29.36 | 46.95 | 1.79 |
| | 002 | J02 | 15 | 12. | 14. | 39. | 40. | 50. | 99. | 120. | 120. | 120. | 48. | 30.33 | 39.90 | 1.93 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **TENNESSEE — Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 209 Humboldt | 001 | F01 | 8 | 19. | 19. | 47. | 50. | 86. | 115. | 115. | 115. | 115. | 62. | 31.99 | 54.11 | 1.79 |
| 209 Jackson | 001 | F01 | 14 | 28. | 36. | 60. | 67. | 77. | 96. | 113. | 113. | 113. | 69. | 22.66 | 65.04 | 1.45 |
|  | 002 | F01 | 15 | 28. | 47. | 66. | 79. | 95. | 116. | 125. | 125. | 125. | 81. | 28.65 | 75.19 | 1.51 |
| 209 Paris | 002 | F01 | 12 | 20. | 23. | 29. | 48. | 66. | 74. | 97. | 97. | 97. | 50. | 24.81 | 44.28 | 1.70 |
| 209 Trenton | 001 | F01 | 13 | 26. | 35. | 53. | 74. | 98. | 127. | 149. | 149. | 149. | 79. | 37.73 | 70.15 | 1.68 |
| 209 Union City | 001 | F01 | 15 | 47. | 57. | 75. | 109. | 142. | 162. | 185. | 185. | 185. | 111. | 41.79 | 103.32 | 1.51 |
| **UTAH** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 220 Ogden | 001 | P01 | 3 | 29. | 29. | 29. | 35. | 81. | 81. | 81. | 81. | 81. |  |  |  |  |
| **VERMONT** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 159 Burlington | 003 | F01 | 14 | 66. | 70. | 89. | 101. | 113. | 133. | 149. | 149. | 149. | 102. | 24.26 | 99.55 | 1.27 |
| 159 Rutland | 002 | F01 | 16 | 39. | 40. | 50. | 55. | 69. | 92. | 121. | 121. | 121. | 63. | 22.43 | 59.45 | 1.39 |
|  | 003 | F01 | 15 | 30. | 40. | 56. | 65. | 86. | 101. | 133. | 133. | 133. | 71. | 27.14 | 66.23 | 1.48 |
| 221 Barre | 003 | F01 | 15 | 28. | 40. | 55. | 68. | 74. | 134. | 156. | 156. | 156. | 72. | 33.40 | 66.41 | 1.53 |
| 221 Brattleboro | 001 | F01 | 15 | 27. | 34. | 41. | 57. | 61. | 78. | 93. | 93. | 93. | 55. | 17.63 | 51.84 | 1.40 |
| 221 Caledonia Co | 001 | F03 | 11 | 10. | 11. | 17. | 19. | 24. | 29. | 53. | 53. | 53. | 23. | 11.93 | 20.35 | 1.60 |
| 221 Lyndon | 001 | F03 | 10 | 13. | 13. | 22. | 28. | 29. | 42. | 43. | 43. | 43. | 28. | 10.79 | 26.18 | 1.52 |
| 221 Montpelier | 001 | F01 | 15 | 6. | 12. | 23. | 31. | 33. | 67. | 75. | 75. | 75. | 32. | 18.71 | 27.53 | 1.88 |
| 221 Northfield | 001 | F03 | 7 | 18. | 18. | 23. | 25. | 35. | 51. | 51. | 51. | 51. | 32. | 13.55 | 29.88 | 1.50 |
| 221 Orange Co | 001 | A03 | 16 | 11. | 24. | 27. | 30. | 40. | 66. | 166. | 166. | 166. | 43. | 35.66 | 35.83 | 1.80 |
| 221 White River Jct. | 002 | F01 | 13 | 24. | 26. | 42. | 48. | 54. | 65. | 102. | 102. | 102. | 50. | 19.88 | 46.82 | 1.46 |
| **VIRGINIA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 047 Alexandria | 004 | H01 | 15 | 48. | 48. | 51. | 56. | 82. | 100. | 140. | 140. | 140. | 69. | 25.96 | 65.74 | 1.39 |
|  | 007 | H01 | 15 | 47. | 47. | 53. | 56. | 71. | 88. | 155. | 155. | 155. | 67. | 27.42 | 63.80 | 1.37 |
|  | 009 | H01 | 14 | 49. | 51. | 62. | 66. | 86. | 143. | 185. | 185. | 185. | 83. | 38.72 | 76.68 | 1.48 |
|  | 010 | H01 | 15 | 38. | 48. | 51. | 53. | 67. | 94. | 129. | 129. | 129. | 63. | 23.54 | 60.04 | 1.37 |
|  | 011 | H01 | 15 | 40. | 51. | 53. | 63. | 76. | 103. | 143. | 143. | 143. | 72. | 26.10 | 67.90 | 1.39 |
|  | 012 | H01 | 10 | 34. | 34. | 47. | 52. | 72. | 102. | 144. | 144. | 144. | 68. | 32.93 | 62.39 | 1.53 |
|  | 013 | G01 | 30 | 20. | 29. | 45. | 49. | 60. | 82. | 92. | 94. | 94. | 55. | 19.24 | 51.78 | 1.44 |
|  | 019 | H01 | 15 | 43. | 53. | 59. | 74. | 97. | 166. | 181. | 181. | 181. | 87. | 41.66 | 79.41 | 1.54 |
| 047 Annandale | 002 | G01 | 30 | 19. | 34. | 47. | 51. | 63. | 87. | 92. | 119. | 119. | 58. | 21.85 | 54.04 | 1.47 |
| 047 Arlington Co | 003 | G02 | 16 | 44. | 56. | 62. | 78. | 89. | 163. | 164. | 164. | 164. | 87. | 35.24 | 80.93 | 1.45 |
|  | 008 | F02 | 5 | 55. | 55. | 64. | 65. | 74. | 74. | 74. | 74. | 74. |  |  |  |  |
|  | 017 | G02 | 16 | 47. | 63. | 69. | 77. | 90. | 131. | 155. | 155. | 155. | 86. | 26.83 | 82.27 | 1.33 |
|  | 019 | G01 | 15 | 43. | 45. | 51. | 63. | 76. | 108. | 126. | 126. | 126. | 69. | 25.11 | 65.66 | 1.39 |
| 047 Bailey*s Crossroads | 007 | G01 | 30 | 26. | 39. | 49. | 56. | 64. | 93. | 99. | 103. | 103. | 60. | 20.68 | 57.05 | 1.42 |
| 047 Fairfax | 004 | G01 | 30 | 22. | 36. | 48. | 55. | 68. | 85. | 98. | 140. | 140. | 61. | 23.25 | 56.83 | 1.45 |
|  | 005 | G01 | 30 | 15. | 26. | 43. | 57. | 67. | 91. | 114. | 166. | 166. | 61. | 30.35 | 54.54 | 1.64 |
| 047 Fairfax Co | 005 | G01 | 30 | 9. | 21. | 37. | 47. | 60. | 82. | 88. | 114. | 114. | 51. | 23.13 | 45.67 | 1.69 |
|  | 014 | G01 | 30 | 23. | 42. | 57. | 64. | 78. | 99. | 123. | 136. | 136. | 71. | 25.53 | 66.70 | 1.45 |
|  | 015 | G01 | 30 | 18. | 36. | 54. | 66. | 81. | 109. | 112. | 129. | 129. | 70. | 26.70 | 64.50 | 1.54 |
| 047 Falls Church | 003 | G01 | 30 | 26. | 35. | 52. | 58. | 76. | 95. | 110. | 154. | 154. | 66. | 27.12 | 61.41 | 1.48 |
| 047 Fort Belvoir | 001 | G01 | 30 | 21. | 31. | 43. | 50. | 56. | 79. | 86. | 103. | 103. | 53. | 19.01 | 50.17 | 1.44 |
| 047 Herndon | 001 | G01 | 30 | 18. | 28. | 45. | 51. | 70. | 81. | 92. | 137. | 137. | 58. | 24.38 | 52.92 | 1.54 |
| 047 Leesburg | 001 | G02 | 14 | 22. | 23. | 39. | 40. | 58. | 84. | 99. | 99. | 99. | 51. | 23.25 | 45.92 | 1.61 |
| 047 Loudoun Co | 003 | F01 | 14 | 24. | 25. | 40. | 41. | 61. | 66. | 110. | 110. | 110. | 50. | 23.06 | 45.60 | 1.55 |
| 047 Mc Lean | 001 | G01 | 30 | 22. | 37. | 43. | 48. | 63. | 80. | 81. | 117. | 117. | 55. | 20.16 | 51.87 | 1.42 |
| 047 Manassas | 001 | F01 | 13 | 37. | 45. | 53. | 61. | 99. | 126. | 132. | 132. | 132. | 75. | 30.96 | 69.91 | 1.49 |
| 047 Prince William Co | 002 | F02 | 30 | 21. | 34. | 42. | 55. | 66. | 75. | 96. | 109. | 109. | 58. | 19.88 | 54.84 | 1.43 |
| 047 Reston | 001 | G01 | 30 | 12. | 21. | 39. | 49. | 70. | 85. | 98. | 129. | 129. | 55. | 25.91 | 49.15 | 1.70 |
| 047 Springfield | 002 | G01 | 30 | 24. | 39. | 51. | 61. | 74. | 98. | 102. | 145. | 145. | 66. | 24.38 | 62.44 | 1.43 |
| 047 Vienna | 002 | G01 | 30 | 10. | 25. | 42. | 44. | 65. | 73. | 79. | 131. | 131. | 52. | 23.32 | 47.06 | 1.65 |
| 047 West Springfield | 001 | G01 | 30 | 19. | 34. | 52. | 63. | 74. | 96. | 121. | 145. | 145. | 67. | 26.04 | 61.70 | 1.50 |
| 047 Woodbridge-Marumsco | 001 | F01 | 8 | 10. | 10. | 39. | 45. | 97. | 153. | 153. | 153. | 153. | 70. | 48.62 | 53.18 | 2.37 |
| 207 Altavista | 001 | F01 | 16 | 18. | 34. | 42. | 54. | 74. | 86. | 116. | 116. | 116. | 59. | 25.22 | 53.44 | 1.58 |
| 207 Bluefield | 005 | F02 | 16 | 26. | 42. | 50. | 64. | 88. | 133. | 171. | 171. | 171. | 76. | 39.83 | 67.89 | 1.65 |
| 207 Bristol | 003 | F01 | 15 | 29. | 39. | 47. | 67. | 71. | 118. | 120. | 120. | 120. | 67. | 28.20 | 61.99 | 1.52 |
|  | 004 | F01 | 16 | 25. | 43. | 49. | 62. | 84. | 130. | 134. | 134. | 134. | 74. | 33.56 | 66.63 | 1.59 |
| 207 Buchanan Co | 002 | F02 | 3 | 93. | 93. | 93. | 200. | 297. | 297. | 297. | 297. | 297. |  |  |  |  |
| 207 Galax | 006 | F02 | 15 | 35. | 62. | 84. | 88. | 107. | 170. | 185. | 185. | 185. | 104. | 43.75 | 95.17 | 1.55 |
| 207 Marion | 004 | F01 | 16 | 22. | 28. | 46. | 57. | 81. | 89. | 127. | 127. | 127. | 63. | 26.84 | 57.01 | 1.58 |
| 207 Norton | 001 | F01 | 9 | 42. | 42. | 51. | 76. | 82. | 132. | 132. | 132. | 132. | 74. | 27.40 | 70.35 | 1.42 |
| 207 Richlands | 001 | F02 | 16 | 22. | 23. | 39. | 54. | 87. | 107. | 129. | 129. | 129. | 64. | 31.70 | 56.79 | 1.71 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1977 Second Quarter**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **VIRGINIA—Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 207 Russell Co | 001 | F02 | 16 | 19. | 28. | 32. | 44. | 56. | 86. | 91. | 91. | 91. | 51. | 23.36 | 46.09 | 1.60 |
| 207 Saltville | 005 | F02 | 11 | 25. | 40. | 52. | 57. | 63. | 94. | 120. | 120. | 120. | 63. | 25.85 | 58.16 | 1.51 |
| 207 Wytheville | 001 | F01 | 16 | 23. | 32. | 39. | 49. | 55. | 89. | 95. | 95. | 95. | 54. | 20.69 | 50.06 | 1.47 |
| 222 Amelia Co | 001 | F02 | 8 | 34. | 34. | 46. | 47. | 85. | 188. | 188. | 188. | 188. | 77. | 52.22 | 65.24 | 1.78 |
| 222 Amherst Co | 001 | F01 | 16 | 13. | 30. | 52. | 59. | 99. | 143. | 151. | 151. | 151. | 76. | 40.31 | 64.58 | 1.87 |
|  | 004 | F02 | 14 | 11. | 24. | 28. | 42. | 47. | 85. | 88. | 88. | 88. | 46. | 24.34 | 39.80 | 1.77 |
| 222 Appomattox Co | 002 | F02 | 13 | 12. | 28. | 33. | 41. | 60. | 88. | 119. | 119. | 119. | 51. | 29.68 | 43.86 | 1.81 |
|  | 003 | F01 | 15 | 12. | 33. | 37. | 42. | 76. | 99. | 104. | 104. | 104. | 55. | 27.71 | 48.51 | 1.76 |
| 222 Bassett | 001 | F02 | 15 | 56. | 56. | 68. | 74. | 99. | 146. | 161. | 161. | 161. | 90. | 34.70 | 84.11 | 1.43 |
|  | 002 | F02 | 2 | 62. | 62. | 62. | 62. | 85. | 85. | 85. | 85. | 85. |  |  |  |  |
| 222 Bedford | 001 | F01 | 16 | 19. | 33. | 38. | 53. | 58. | 90. | 98. | 98. | 98. | 54. | 22.16 | 49.86 | 1.53 |
|  | 002 | F01 | 16 | 25. | 34. | 44. | 56. | 82. | 119. | 141. | 141. | 141. | 67. | 32.48 | 60.34 | 1.61 |
| 222 Bedford Co | 002 | F02 | 10 | 40. | 40. | 55. | 56. | 72. | 92. | 138. | 138. | 138. | 71. | 28.24 | 67.08 | 1.42 |
|  | 003 | F03 | 15 | 11. | 20. | 24. | 29. | 44. | 72. | 91. | 91. | 91. | 39. | 23.10 | 33.79 | 1.77 |
|  | 005 | F01 | 16 | 14. | 28. | 41. | 49. | 63. | 101. | 106. | 106. | 106. | 56. | 26.32 | 49.52 | 1.68 |
| 222 Blackstone | 001 | F01 | 16 | 16. | 34. | 37. | 44. | 65. | 89. | 97. | 97. | 97. | 52. | 23.03 | 47.18 | 1.58 |
| 222 Brunswick Co | 001 | F01 | 16 | 29. | 32. | 36. | 46. | 67. | 85. | 108. | 108. | 108. | 54. | 22.78 | 50.26 | 1.49 |
| 222 Buckingham Co | 009 | F02 | 16 | 29. | 30. | 36. | 40. | 50. | 84. | 90. | 90. | 90. | 48. | 19.12 | 44.50 | 1.43 |
| 222 Campbell Co | 002 | F01 | 16 | 11. | 24. | 43. | 52. | 72. | 115. | 121. | 121. | 121. | 60. | 31.08 | 51.61 | 1.83 |
|  | 003 | F01 | 16 | 21. | 28. | 36. | 43. | 61. | 86. | 110. | 110. | 110. | 51. | 23.52 | 46.57 | 1.55 |
|  | 005 | F02 | 9 | 30. | 30. | 57. | 75. | 111. | 137. | 137. | 137. | 137. | 83. | 38.01 | 73.92 | 1.69 |
| 222 Danville | 005 | F02 | 16 | 20. | 39. | 45. | 49. | 83. | 92. | 115. | 115. | 115. | 60. | 26.03 | 55.02 | 1.56 |
| 222 Farmville | 002 | F01 | 15 | 31. | 42. | 45. | 53. | 74. | 96. | 112. | 112. | 112. | 62. | 23.54 | 58.40 | 1.44 |
| 222 Franklin Co | 002 | F02 | 16 | 17. | 33. | 45. | 47. | 64. | 115. | 123. | 123. | 123. | 62. | 30.90 | 54.80 | 1.66 |
| 222 Henry Co | 002 | F02 | 9 | 74. | 74. | 84. | 92. | 134. | 195. | 195. | 195. | 195. | 117. | 45.13 | 110.20 | 1.44 |
| 222 Lynchburg | 003 | F01 | 11 | 38. | 38. | 79. | 83. | 85. | 116. | 145. | 145. | 145. | 83. | 30.63 | 77.29 | 1.50 |
|  | 011 | F01 | 10 | 25. | 25. | 26. | 38. | 40. | 64. | 95. | 95. | 95. | 43. | 21.55 | 39.72 | 1.53 |
|  | 012 | F01 | 16 | 13. | 21. | 36. | 50. | 61. | 94. | 94. | 94. | 94. | 52. | 23.97 | 46.04 | 1.71 |
| 222 Martinsville | 005 | F01 | 16 | 24. | 49. | 62. | 65. | 104. | 123. | 137. | 137. | 137. | 80. | 31.22 | 74.12 | 1.55 |
|  | 006 | F01 | 15 | 13. | 23. | 47. | 60. | 78. | 101. | 106. | 106. | 106. | 62. | 27.92 | 54.32 | 1.79 |
| 222 Patrick Co | 001 | F02 | 16 | 12. | 40. | 50. | 61. | 82. | 94. | 97. | 97. | 97. | 63. | 22.76 | 57.84 | 1.65 |
| 222 Pittsylvania Co | 002 | F02 | 14 | 26. | 41. | 55. | 67. | 93. | 122. | 144. | 144. | 144. | 76. | 32.26 | 69.45 | 1.58 |
|  | 004 | F01 | 16 | 16. | 32. | 40. | 44. | 53. | 81. | 96. | 96. | 96. | 52. | 20.66 | 47.87 | 1.53 |
| 222 South Boston | 003 | F01 | 16 | 17. | 34. | 43. | 54. | 74. | 105. | 109. | 109. | 109. | 60. | 25.93 | 54.78 | 1.60 |
| 222 South Hill | 001 | F01 | 15 | 35. | 36. | 40. | 52. | 61. | 96. | 97. | 97. | 97. | 58. | 22.37 | 53.95 | 1.44 |
| 223 Chesapeake | 001 | F02 | 9 | 55. | 55. | 61. | 70. | 88. | 143. | 143. | 143. | 143. | 84. | 34.52 | 78.55 | 1.44 |
|  | 005 | F02 | 10 | 46. | 46. | 69. | 72. | 103. | 122. | 132. | 132. | 132. | 89. | 30.27 | 83.73 | 1.44 |
|  | 007 | F01 | 10 | 61. | 61. | 66. | 78. | 86. | 145. | 148. | 148. | 148. | 90. | 31.94 | 85.89 | 1.37 |
| 223 Franklin | 003 | F01 | 15 | 21. | 28. | 44. | 49. | 52. | 79. | 103. | 103. | 103. | 52. | 20.47 | 48.44 | 1.48 |
| 223 Hampton | 005 | F01 | 16 | 37. | 42. | 52. | 58. | 70. | 105. | 113. | 113. | 113. | 65. | 22.62 | 61.62 | 1.39 |
|  | 006 | F01 | 15 | 41. | 50. | 53. | 60. | 75. | 104. | 122. | 122. | 122. | 70. | 23.18 | 66.42 | 1.36 |
| 223 Newport News | 004 | F01 | 16 | 44. | 46. | 54. | 67. | 89. | 103. | 127. | 127. | 127. | 72. | 23.66 | 68.63 | 1.38 |
|  | 005 | F02 | 16 | 50. | 53. | 65. | 86. | 103. | 129. | 141. | 141. | 141. | 87. | 29.38 | 82.76 | 1.40 |
| 223 Norfolk | 007 | F01 | 15 | 44. | 52. | 65. | 71. | 85. | 101. | 116. | 116. | 116. | 75. | 19.44 | 72.29 | 1.30 |
|  | 014 | F01 | 15 | 33. | 37. | 44. | 57. | 68. | 125. | 132. | 132. | 132. | 68. | 33.52 | 61.18 | 1.57 |
|  | 015 | F01 | 16 | 50. | 58. | 68. | 79. | 97. | 125. | 131. | 131. | 131. | 84. | 24.44 | 81.15 | 1.32 |
| 223 Portsmouth | 005 | F01 | 16 | 51. | 52. | 56. | 75. | 98. | 139. | 152. | 152. | 152. | 84. | 33.35 | 78.50 | 1.45 |
| 223 Suffolk | 003 | F02 | 16 | 34. | 46. | 53. | 56. | 94. | 123. | 129. | 129. | 129. | 73. | 31.34 | 67.47 | 1.50 |
| 223 Virginia Beach | 005 | F02 | 16 | 37. | 40. | 45. | 50. | 93. | 104. | 111. | 111. | 111. | 64. | 26.58 | 59.07 | 1.47 |
|  | 006 | F01 | 16 | 49. | 52. | 57. | 65. | 100. | 122. | 126. | 126. | 126. | 77. | 27.25 | 73.32 | 1.39 |
| 223 Williamsburg | 001 | F01 | 15 | 27. | 41. | 52. | 57. | 66. | 109. | 141. | 141. | 141. | 67. | 29.92 | 61.87 | 1.51 |
| 224 Accomack Co | 001 | F01 | 16 | 26. | 32. | 36. | 42. | 51. | 111. | 156. | 156. | 156. | 56. | 35.72 | 48.90 | 1.64 |
|  | 002 | F01 | 14 | 34. | 42. | 55. | 58. | 76. | 90. | 119. | 119. | 119. | 65. | 22.24 | 61.71 | 1.40 |
| 224 Culpeper Co | 001 | F01 | 16 | 13. | 29. | 43. | 49. | 61. | 92. | 113. | 113. | 113. | 53. | 23.67 | 47.92 | 1.63 |
| 224 Essex Co | 001 | F02 | 15 | 39. | 49. | 54. | 59. | 67. | 120. | 121. | 121. | 121. | 69. | 26.06 | 65.14 | 1.40 |
| 224 Fauquier Co | 001 | F01 | 13 | 21. | 45. | 46. | 55. | 86. | 113. | 311. | 311. | 311. | 81. | 73.04 | 65.32 | 1.88 |
| 224 Fluvanna Co | 001 | F02 | 16 | 34. | 35. | 54. | 57. | 91. | 117. | 117. | 117. | 117. | 70. | 27.36 | 64.93 | 1.48 |
| 224 Fredericksburg | 002 | F01 | 14 | 23. | 40. | 48. | 53. | 58. | 82. | 99. | 99. | 99. | 58. | 19.85 | 55.10 | 1.44 |
| 224 Gloucester Co | 001 | F02 | 14 | 37. | 38. | 48. | 54. | 63. | 97. | 118. | 118. | 118. | 62. | 24.72 | 58.39 | 1.44 |
| 224 West Point | 002 | F02 | 16 | 17. | 33. | 47. | 48. | 67. | 99. | 107. | 107. | 107. | 58. | 24.95 | 53.35 | 1.58 |
| 225 Charlottesville | 002 | F01 | 16 | 21. | 47. | 55. | 60. | 81. | 122. | 131. | 131. | 131. | 71. | 28.74 | 65.77 | 1.54 |
| 225 Chesterfield Co | 003 | F01 | 16 | 28. | 42. | 49. | 59. | 109. | 123. | 167. | 167. | 167. | 77. | 38.81 | 68.51 | 1.63 |
| 225 Colonial Heights | 001 | F01 | 16 | 20. | 47. | 54. | 66. | 84. | 109. | 117. | 117. | 117. | 70. | 25.23 | 65.46 | 1.53 |
| 225 Emporia | 001 | F02 | 16 | 24. | 47. | 62. | 63. | 82. | 115. | 124. | 124. | 124. | 74. | 26.88 | 68.73 | 1.50 |
| 225 Henrico Co | 002 | F01 | 16 | 23. | 41. | 46. | 52. | 75. | 82. | 113. | 113. | 113. | 60. | 21.72 | 56.14 | 1.45 |
|  | 007 | F02 | 16 | 16. | 53. | 56. | 62. | 72. | 98. | 104. | 104. | 104. | 66. | 21.06 | 61.98 | 1.52 |
|  | 008 | F02 | 16 | 21. | 42. | 50. | 60. | 65. | 83. | 98. | 98. | 98. | 60. | 18.55 | 57.37 | 1.43 |
|  | 011 | F01 | 16 | 16. | 39. | 43. | 50. | 54. | 74. | 101. | 101. | 101. | 53. | 19.17 | 49.75 | 1.49 |
| 225 Hopewell | 002 | F02 | 16 | 45. | 54. | 68. | 89. | 101. | 128. | 210. | 210. | 210. | 93. | 39.84 | 86.82 | 1.47 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **VIRGINIA — Cont.** | | | | | | | | | | | | | | | | |
| 225 Petersburg | 002 | F01 | 16 | 27. | 49. | 58. | 69. | 75. | 131. | 137. | 137. | 137. | 74. | 29.63 | 69.09 | 1.49 |
| 225 Prince George Co | 001 | F02 | 16 | 19. | 35. | 44. | 46. | 60. | 95. | 141. | 141. | 141. | 58. | 29.50 | 52.56 | 1.59 |
| 225 Richmond | 002 | H01 | 16 | 29. | 57. | 70. | 76. | 100. | 138. | 145. | 145. | 145. | 84. | 29.43 | 78.87 | 1.46 |
| | 003 | H01 | 16 | 19. | 44. | 54. | 64. | 91. | 122. | 128. | 128. | 128. | 74. | 30.42 | 67.44 | 1.61 |
| | 004 | H01 | 16 | 24. | 47. | 58. | 73. | 81. | 115. | 164. | 164. | 164. | 76. | 32.57 | 69.82 | 1.54 |
| | 005 | H01 | 15 | 34. | 35. | 41. | 49. | 66. | 96. | 108. | 108. | 108. | 58. | 23.23 | 53.81 | 1.46 |
| | 013 | H01 | 15 | 18. | 35. | 54. | 64. | 100. | 130. | 142. | 142. | 142. | 78. | 36.34 | 68.63 | 1.74 |
| | 014 | H01 | 16 | 20. | 36. | 47. | 53. | 70. | 94. | 98. | 98. | 98. | 60. | 22.09 | 55.89 | 1.50 |
| | 015 | H01 | 16 | 22. | 29. | 53. | 63. | 82. | 167. | 182. | 182. | 182. | 81. | 47.32 | 69.23 | 1.80 |
| | 016 | H01 | 16 | 25. | 46. | 64. | 67. | 83. | 124. | 167. | 167. | 167. | 79. | 35.39 | 72.46 | 1.56 |
| | 017 | H01 | 16 | 49. | 53. | 64. | 68. | 98. | 126. | 137. | 137. | 137. | 80. | 26.50 | 76.14 | 1.36 |
| | 018 | H01 | 16 | 26. | 35. | 39. | 51. | 76. | 99. | 110. | 110. | 110. | 58. | 24.70 | 53.18 | 1.51 |
| | 019 | H01 | 16 | 58. | 65. | 72. | 115. | 136. | 235. | 276. | 276. | 276. | 123. | 63.69 | 110.51 | 1.61 |
| 225 Sussex Co | 001 | F02 | 15 | 12. | 13. | 17. | 62. | 81. | 126. | 257. | 257. | 257. | 71. | 64.34 | 47.95 | 2.65 |
| 226 Botetourt Co | 003 | F02 | 11 | 33. | 43. | 67. | 70. | 79. | 122. | 129. | 129. | 129. | 74. | 29.11 | 69.45 | 1.49 |
| 226 Buena Vista | 002 | F02 | 15 | 16. | 18. | 38. | 52. | 64. | 96. | 104. | 104. | 104. | 54. | 26.70 | 47.77 | 1.74 |
| 226 Clifton Forge | 002 | F01 | 16 | 14. | 25. | 41. | 43. | 61. | 84. | 92. | 92. | 92. | 51. | 22.48 | 46.48 | 1.63 |
| 226 Covington | 005 | F02 | 16 | 20. | 34. | 40. | 59. | 71. | 98. | 110. | 110. | 110. | 62. | 24.80 | 56.93 | 1.56 |
| 226 Frederick Co | 002 | F02 | 15 | 57. | 60. | 83. | 96. | 118. | 143. | 240. | 240. | 240. | 106. | 45.08 | 99.07 | 1.45 |
| 226 Front Royal | 004 | F02 | 16 | 38. | 55. | 66. | 75. | 93. | 107. | 134. | 134. | 134. | 81. | 22.89 | 77.44 | 1.35 |
| 226 Giles Co | 003 | F02 | 16 | 31. | 32. | 48. | 56. | 68. | 126. | 139. | 139. | 139. | 68. | 32.81 | 61.30 | 1.56 |
| 226 Harrisonburg | 002 | F02 | 16 | 25. | 31. | 49. | 54. | 74. | 91. | 95. | 95. | 95. | 60. | 20.37 | 56.76 | 1.45 |
| 226 Lexington | 002 | F01 | 14 | 15. | 23. | 40. | 58. | 61. | 88. | 100. | 100. | 100. | 54. | 24.89 | 48.20 | 1.72 |
| 226 Pulaski | 006 | F02 | 16 | 28. | 39. | 44. | 54. | 75. | 119. | 119. | 119. | 119. | 66. | 29.98 | 59.88 | 1.55 |
| | 008 | F02 | 16 | 25. | 45. | 60. | 71. | 102. | 142. | 163. | 163. | 163. | 85. | 38.92 | 76.87 | 1.62 |
| 226 Radford | 007 | F01 | 16 | 34. | 34. | 47. | 51. | 62. | 117. | 118. | 118. | 118. | 64. | 28.44 | 59.06 | 1.50 |
| 226 Roanoke | 003 | H02 | 13 | 47. | 48. | 53. | 76. | 90. | 108. | 109. | 109. | 109. | 76. | 21.68 | 72.82 | 1.35 |
| | 008 | H02 | 15 | 45. | 46. | 55. | 57. | 69. | 92. | 110. | 110. | 110. | 65. | 19.40 | 62.58 | 1.31 |
| 226 Roanoke Co | 003 | G02 | 16 | 15. | 19. | 44. | 59. | 76. | 101. | 122. | 122. | 122. | 63. | 29.45 | 55.43 | 1.78 |
| | 005 | G01 | 16 | 12. | 14. | 33. | 38. | 46. | 74. | 76. | 76. | 76. | 40. | 17.67 | 36.02 | 1.65 |
| | 009 | G01 | 11 | 17. | 19. | 23. | 30. | 31. | 51. | 63. | 63. | 63. | 32. | 13.97 | 29.75 | 1.49 |
| | 023 | G01 | 16 | 14. | 21. | 35. | 43. | 54. | 75. | 83. | 83. | 83. | 45. | 19.67 | 40.82 | 1.63 |
| | 027 | G02 | 16 | 23. | 24. | 38. | 42. | 59. | 105. | 110. | 110. | 110. | 53. | 27.11 | 47.16 | 1.62 |
| | 028 | G03 | 11 | 23. | 28. | 42. | 46. | 54. | 58. | 103. | 103. | 103. | 49. | 21.60 | 44.99 | 1.51 |
| 226 Rockingham Co | 001 | F02 | 14 | 27 | 36. | 49. | 52. | 65. | 90. | 92. | 92. | 92. | 58. | 19.87 | 55.07 | 1.43 |
| 226 Salem | 001 | G01 | 16 | 10. | 24. | 36. | 42. | 79. | 118. | 135. | 135. | 135. | 61. | 36.06 | 50.96 | 1.97 |
| | 003 | G01 | 16 | 11. | 25. | 46. | 59. | 74. | 114. | 133. | 133. | 133. | 63. | 31.81 | 54.29 | 1.86 |
| 226 Shenandoah Co | 001 | F01 | 10 | 36. | 36. | 60. | 64. | 88. | 94. | 99. | 99. | 99. | 71. | 21.36 | 68.10 | 1.39 |
| 226 Vinton | 003 | G01 | 16 | 12. | 24. | 29. | 40. | 59. | 81. | 86. | 86. | 86. | 45. | 21.74 | 39.93 | 1.68 |
| 226 Waynesboro | 001 | F02 | 15 | 22. | 45. | 51. | 61. | 73. | 98. | 116. | 116. | 116. | 66. | 24.29 | 61.42 | 1.50 |
| | 004 | F02 | 16 | 24. | 34. | 47. | 67. | 92. | 126. | 132. | 132. | 132. | 73. | 32.99 | 65.39 | 1.62 |
| **WASHINGTON** | | | | | | | | | | | | | | | | |
| 062 Cheney | 001 | I03 | 16 | 23. | 28. | 29. | 48. | 79. | 114. | 746. | 746. | 746. | 99. | 174.65 | 58.80 | 2.32 |
| | 002 | I01 | 16 | 36. | 37. | 43. | 66. | 83. | 128. | 473. | 473. | 473. | 93. | 105.21 | 70.47 | 1.91 |
| 062 Clarkston | 001 | F01 | 16 | 42. | 53. | 72. | 125. | 156. | 172. | 613. | 613. | 613. | 145. | 132.82 | 114.87 | 1.91 |
| 062 Colfax | 001 | F01 | 16 | 45. | 50. | 85. | 114. | 142. | 207. | 837. | 837. | 837. | 159. | 186.74 | 117.59 | 1.99 |
| 062 Ephrata | 001 | F01 | 16 | 23. | 26. | 32. | 41. | 70. | 127. | 148. | 148. | 148. | 58. | 36.76 | 49.15 | 1.76 |
| 062 Grant Co | 001 | F03 | 15 | 21. | 23. | 34. | 46. | 66. | 117. | 136. | 136. | 136. | 56. | 33.87 | 48.14 | 1.76 |
| 062 Lincoln Co | 001 | F01 | 16 | 16. | 35. | 53. | 79. | 110. | 177. | 185. | 185. | 185. | 86. | 47.02 | 73.73 | 1.86 |
| 062 Moses Lake | 001 | F01 | 16 | 30. | 48. | 60. | 71. | 118. | 143. | 334. | 334. | 334. | 99. | 71.04 | 84.23 | 1.76 |
| 062 Othello | 001 | F05 | 13 | 47. | 48. | 55. | 89. | 180. | 271. | 577. | 577. | 577. | 147. | 147.50 | 106.20 | 2.19 |
| 062 Pullman | 002 | F05 | 16 | 30. | 39. | 51. | 70. | 91. | 149. | 450. | 450. | 450. | 95. | 98.90 | 74.71 | 1.87 |
| 062 Spokane | 001 | P01 | 18 | 32. | 36. | 57. | 76. | 88. | 199. | 367. | 367. | 367. | 93. | 78.02 | 76.24 | 1.80 |
| | 011 | F01 | 16 | 43. | 45. | 64. | 93. | 105. | 225. | 748. | 748. | 748. | 131. | 170.10 | 93.81 | 2.00 |
| | 013 | F01 | 13 | 31. | 35. | 58. | 78. | 111. | 218. | 479. | 479. | 479. | 118. | 120.30 | 87.34 | 2.12 |
| | 016 | I01 | 16 | 60. | 87. | 104. | 152. | 193. | 361. | 399. | 399. | 399. | 177. | 95.93 | 155.93 | 1.67 |
| 062 Spokane Co | 002 | I01 | 16 | 36. | 40. | 53. | 90. | 119. | 192. | 692. | 692. | 692. | 127. | 156.06 | 91.97 | 2.05 |
| 193 Camas | 003 | F02 | 16 | 28. | 32. | 42. | 43. | 64. | 95. | 102. | 102. | 102. | 56. | 23.88 | 52.24 | 1.49 |
| 193 Longview | 002 | I01 | 16 | 22. | 37. | 46. | 51. | 64. | 73. | 91. | 91. | 91. | 54. | 16.72 | 51.78 | 1.40 |
| 193 Vancouver | 002 | I01 | 16 | 25. | 31. | 48. | 49. | 60. | 108. | 146. | 146. | 146. | 59. | 29.31 | 54.08 | 1.51 |
| | 006 | I01 | 16 | 19. | 29. | 35. | 54. | 98. | 137. | 145. | 145. | 145. | 72. | 42.67 | 60.18 | 1.92 |
| | 007 | F01 | 15 | 21. | 38. | 45. | 58. | 70. | 80. | 108. | 108. | 108. | 59. | 21.73 | 54.90 | 1.50 |
| 227 Colville | 001 | F05 | 14 | 19. | 37. | 62. | 83. | 106. | 132. | 200. | 200. | 200. | 88. | 47.67 | 74.74 | 1.87 |
| 227 Douglas Co | 003 | F01 | 16 | 25. | 31. | 44. | 58. | 69. | 80. | 84. | 84. | 84. | 57. | 19.03 | 53.58 | 1.46 |
| 227 Okanogan Co | 005 | F01 | 6 | 61. | 61. | 73. | 87. | 144. | 151. | 151. | 151. | 151. | | | | |
| 227 Pend Oreille Co | 006 | F01 | 16 | 23. | 41. | 66. | 76. | 109. | 133. | 156. | 156. | 156. | 83. | 36.23 | 75.17 | 1.64 |
| 227 Wenatchee | 001 | F01 | 16 | 34. | 38. | 50. | 55. | 65. | 94. | 113. | 113. | 113. | 61. | 20.64 | 57.71 | 1.38 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **WASHINGTON — Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 228 Aberdeen | 002 | I01 | 16 | 19. | 30. | 34. | 37. | 45. | 57. | 62. | 62. | 62. | 40. | 11.29 | 38.53 | 1.34 |
| 228 Bellingham | 008 | I01 | 16 | 23. | 24. | 51. | 58. | 81. | 116. | 137. | 137. | 137. | 67. | 32.58 | 59.82 | 1.67 |
| 228 Burlington | 002 | F01 | 16 | 12. | 26. | 36. | 53. | 63. | 71. | 86. | 86. | 86. | 51. | 19.84 | 45.71 | 1.66 |
| 228 Mount Vernon | 001 | I01 | 16 | 17. | 35. | 38. | 44. | 55. | 62. | 76. | 76. | 76. | 46. | 13.49 | 44.03 | 1.40 |
| 228 Olympia | 004 | I01 | 16 | 18. | 30. | 39. | 47. | 53. | 75. | 76. | 76. | 76. | 48. | 15.99 | 44.93 | 1.45 |
| 228 Port Angeles | 008 | I01 | 8 | 54. | 54. | 68. | 90. | 166. | 275. | 275. | 275. | 275. | 132. | 81.86 | 110.85 | 1.87 |
| 228 Thurston Co | 003 | I01 | 16 | 14. | 31. | 33. | 44. | 53. | 70. | 74. | 74. | 74. | 44. | 15.27 | 41.45 | 1.49 |
| 228 Whatcom Co | 001 | I03 | 13 | 11. | 22. | 24. | 31. | 34. | 44. | 53. | 53. | 53. | 31. | 10.45 | 29.03 | 1.47 |
| 229 Auburn | 003 | I01 | 16 | 23. | 33. | 48. | 56. | 69. | 80. | 105. | 105. | 105. | 59. | 20.38 | 55.49 | 1.46 |
| 229 Bellevue | 002 | I01 | 16 | 18. | 19. | 34. | 40. | 50. | 60. | 77. | 77. | 77. | 42. | 15.37 | 39.47 | 1.47 |
| 229 Bremerton | 001 | F01 | 16 | 22. | 26. | 37. | 43. | 49. | 59. | 61. | 61. | 61. | 43. | 11.66 | 41.48 | 1.35 |
| 229 Everett | 003 | I01 | 15 | 24. | 37. | 42. | 53. | 65. | 82. | 91. | 91. | 91. | 56. | 18.93 | 53.13 | 1.43 |
| 229 Kent | 001 | I01 | 14 | 21. | 26. | 52. | 68. | 76. | 100. | 153. | 153. | 153. | 67. | 33.59 | 59.61 | 1.70 |
| 229 King Co | 001 | I03 | 15 | 4. | 6. | 16. | 27. | 29. | 38. | 39. | 39. | 39. | 24. | 11.26 | 19.96 | 2.01 |
| 229 Pierce Co | 002 | F01 | 16 | 24. | 28. | 36. | 42. | 55. | 71. | 76. | 76. | 76. | 46. | 14.96 | 43.36 | 1.38 |
| 229 Renton | 002 | I01 | 16 | 25. | 27. | 46. | 53. | 63. | 68. | 82. | 82. | 82. | 53. | 15.59 | 50.61 | 1.40 |
| 229 Seattle | 001 | I01 | 16 | 29. | 35. | 44. | 52. | 61. | 82. | 97. | 97. | 97. | 56. | 17.70 | 53.30 | 1.36 |
|  | 001 | P01 | 16 | 26. | 34. | 43. | 46. | 58. | 71. | 94. | 94. | 94. | 52. | 16.58 | 49.35 | 1.36 |
|  | 007 | I01 | 15 | 24. | 35. | 43. | 50. | 60. | 77. | 140. | 140. | 140. | 56. | 27.27 | 51.47 | 1.51 |
|  | 009 | I01 | 15 | 23. | 29. | 40. | 42. | 53. | 62. | 74. | 74. | 74. | 45. | 13.06 | 43.48 | 1.34 |
|  | 057 | I02 | 14 | 34. | 49. | 81. | 92. | 113. | 125. | 179. | 179. | 179. | 97. | 35.52 | 90.22 | 1.51 |
|  | 066 | I02 | 16 | 37. | 51. | 71. | 83. | 104. | 119. | 134. | 134. | 134. | 84. | 26.18 | 80.25 | 1.41 |
|  | 072 | F01 | 16 | 29. | 33. | 66. | 75. | 102. | 162. | 165. | 165. | 165. | 84. | 38.01 | 75.90 | 1.60 |
| 229 Tacoma | 001 | I01 | 16 | 27. | 32. | 37. | 43. | 53. | 66. | 71. | 71. | 71. | 46. | 13.33 | 44.48 | 1.33 |
|  | 001 | P01 | 16 | 22. | 28. | 35. | 39. | 47. | 66. | 70. | 70. | 70. | 42. | 13.62 | 40.38 | 1.37 |
|  | 004 | I02 | 16 | 54. | 65. | 90. | 107. | 118. | 139. | 160. | 160. | 160. | 105. | 27.64 | 100.92 | 1.33 |
|  | 005 | I01 | 16 | 28. | 30. | 37. | 45. | 52. | 53. | 72. | 72. | 72. | 45. | 11.18 | 43.35 | 1.28 |
|  | 006 | I01 | 16 | 27. | 36. | 66. | 80. | 149. | 211. | 213. | 213. | 213. | 103. | 58.49 | 88.07 | 1.82 |
|  | 015 | I01 | 16 | 34. | 39. | 47. | 54. | 74. | 91. | 93. | 93. | 93. | 62. | 18.83 | 58.88 | 1.36 |
| 230 Ellensburg | 001 | F01 | 15 | 38. | 42. | 58. | 70. | 85. | 96. | 163. | 163. | 163. | 75. | 30.45 | 69.97 | 1.44 |
| 230 Kennewick | 001 | I05 | 16 | 26. | 39. | 60. | 85. | 179. | 250. | 741. | 741. | 741. | 141. | 172.59 | 95.13 | 2.30 |
| 230 Klickitat Co | 002 | F02 | 16 | 34. | 36. | 48. | 59. | 68. | 106. | 132. | 132. | 132. | 63. | 25.58 | 59.03 | 1.44 |
| 230 Pasco | 001 | F01 | 16 | 54. | 58. | 71. | 78. | 130. | 219. | 669. | 669. | 669. | 134. | 148.97 | 102.56 | 1.88 |
| 230 Richland | 001 | F01 | 16 | 42. | 63. | 84. | 95. | 124. | 272. | 982. | 982. | 982. | 162. | 224.87 | 112.99 | 2.04 |
| 230 Walla Walla | 002 | F01 | 16 | 44. | 56. | 76. | 88. | 125. | 349. | 1552. | 1552. | 1552. | 198. | 367.69 | 112.88 | 2.32 |
| 230 Yakima | 002 | I01 | 16 | 20. | 41. | 59. | 66. | 94. | 111. | 169. | 169. | 169. | 77. | 33.82 | 70.35 | 1.60 |
| 230 Yakima Co | 006 | I03 | 16 | 26. | 33. | 48. | 64. | 92. | 130. | 178. | 178. | 178. | 75. | 39.24 | 66.23 | 1.66 |
| **WEST VIRGINIA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 103 Huntington | 003 | F01 | 11 | 46. | 49. | 55. | 74. | 128. | 177. | 181. | 181. | 181. | 98. | 51.76 | 86.24 | 1.69 |
|  | 004 | F03 | 13 | 18. | 30. | 40. | 48. | 82. | 92. | 107. | 107. | 107. | 58. | 26.92 | 51.55 | 1.66 |
| 113 Keyser | 002 | F01 | 9 | 26. | 26. | 48. | 53. | 81. | 94. | 94. | 94. | 94. | 62. | 23.21 | 57.34 | 1.52 |
| 113 Mineral Co | 004 | F01 | 5 | 28. | 28. | 45. | 49. | 89. | 100. | 100. | 100. | 100. |  |  |  |  |
|  | 005 | F01 | 6 | 47. | 47. | 63. | 102. | 120. | 147. | 147. | 147. | 147. | 97. | 36.70 | 90.34 | 1.53 |
|  | 006 | F05 | 8 | 43. | 43. | 65. | 67. | 103. | 150. | 150. | 150. | 150. | 83. | 36.36 | 76.93 | 1.52 |
| 179 Parkersburg | 003 | F01 | 11 | 44. | 54. | 61. | 120. | 135. | 160. | 171. | 171. | 171. | 105. | 47.02 | 94.18 | 1.64 |
| 179 Vienna | 001 | F02 | 13 | 30. | 40. | 48. | 62. | 91. | 108. | 146. | 146. | 146. | 72. | 32.64 | 65.73 | 1.57 |
| 181 Follansbee | 004 | F02 | 13 | 85. | 89. | 98. | 123. | 199. | 212. | 280. | 280. | 280. | 150. | 62.07 | 139.34 | 1.50 |
| 181 Hancock Co | 005 | F02 | 13 | 48. | 68. | 78. | 97. | 152. | 242. | 254. | 254. | 254. | 126. | 72.34 | 110.18 | 1.70 |
|  | 006 | F02 | 13 | 33. | 44. | 80. | 111. | 139. | 176. | 178. | 178. | 178. | 109. | 45.99 | 98.69 | 1.66 |
| 181 Moundsville | 001 | F02 | 14 | 72. | 96. | 107. | 119. | 133. | 210. | 252. | 252. | 252. | 135. | 48.70 | 128.17 | 1.39 |
| 181 Weirton | 003 | F02 | 11 | 57. | 95. | 102. | 122. | 172. | 194. | 237. | 237. | 237. | 137. | 53.33 | 127.85 | 1.51 |
| 181 Wellsburg | 003 | F01 | 13 | 59. | 71. | 90. | 115. | 143. | 151. | 213. | 213. | 213. | 118. | 41.45 | 111.51 | 1.42 |
| 181 Wheeling | 002 | H01 | 15 | 73. | 76. | 100. | 106. | 134. | 151. | 177. | 177. | 177. | 115. | 30.28 | 111.31 | 1.30 |
|  | 004 | H01 | 16 | 43. | 49. | 66. | 78. | 96. | 109. | 127. | 127. | 127. | 82. | 23.49 | 78.77 | 1.36 |
|  | 005 | H01 | 15 | 43. | 64. | 71. | 88. | 104. | 111. | 124. | 124. | 124. | 86. | 23.13 | 82.86 | 1.34 |
|  | 006 | H01 | 16 | 46. | 51. | 72. | 90. | 117. | 135. | 139. | 139. | 139. | 93. | 30.22 | 88.40 | 1.41 |
| 232 Weston | 001 | F01 | 15 | 47. | 48. | 61. | 75. | 99. | 129. | 194. | 194. | 194. | 89. | 39.89 | 82.29 | 1.51 |
| 233 Martinsburg | 001 | F01 | 1 | 67. | 67. | 67. | 67. | 67. | 67. | 67. | 67. | 67. |  |  |  |  |
| 234 Charleston | 002 | F01 | 12 | 43. | 47. | 63. | 76. | 92. | 144. | 185. | 185. | 185. | 87. | 41.73 | 79.81 | 1.54 |
|  | 003 | F03 | 8 | 25. | 25. | 38. | 42. | 98. | 103. | 103. | 103. | 103. | 62. | 32.92 | 53.99 | 1.76 |
|  | 004 | F01 | 15 | 56. | 62. | 71. | 94. | 104. | 157. | 219. | 219. | 219. | 103. | 43.57 | 95.65 | 1.46 |
|  | 005 | F01 | 15 | 18. | 47. | 56. | 77. | 118. | 173. | 182. | 182. | 182. | 91. | 49.03 | 78.00 | 1.82 |
| 234 Kanawha Co | 001 | F02 | 11 | 45. | 57. | 68. | 74. | 107. | 113. | 135. | 135. | 135. | 84. | 28.51 | 79.47 | 1.41 |
|  | 002 | F02 | 11 | 38. | 38. | 41. | 48. | 65. | 90. | 94. | 94. | 94. | 57. | 21.19 | 54.06 | 1.42 |
| 234 Nitro | 001 | F02 | 13 | 37. | 42. | 57. | 71. | 100. | 130. | 134. | 134. | 134. | 77. | 32.00 | 71.15 | 1.51 |
| 234 Putnam Co | 003 | F02 | 16 | 34. | 38. | 51. | 62. | 108. | 140. | 145. | 145. | 145. | 78. | 39.26 | 69.91 | 1.63 |
| 234 South Charleston | 005 | F02 | 10 | 44. | 44. | 59. | 78. | 85. | 133. | 169. | 169. | 169. | 86. | 37.96 | 79.75 | 1.50 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

**1977 Second Quarter**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **WEST VIRGINIA—Cont.** | | | | | | | | | | | | | | | | |
| 235 Clarksburg | 001 | F01 | 13 | 46. | 50. | 62. | 76. | 95. | 117. | 144. | 144. | 144. | 80. | 29.38 | 75.82 | 1.42 |
| 235 Fairmont | 002 | F02 | 14 | 51. | 55. | 61. | 83. | 114. | 191. | 227. | 227. | 227. | 105. | 54.99 | 93.71 | 1.63 |
| | 003 | F01 | 14 | 31. | 34. | 43. | 49. | 85. | 101. | 115. | 115. | 115. | 64. | 28.91 | 58.18 | 1.59 |
| 235 Harrison Co | 001 | F01 | 12 | 31. | 35. | 37. | 47. | 74. | 88. | 93. | 93. | 93. | 57. | 23.22 | 53.07 | 1.50 |
| 235 Morgantown | 001 | F01 | 13 | 40. | 44. | 50. | 74. | 105. | 137. | 139. | 139. | 139. | 81. | 34.72 | 74.66 | 1.55 |
| | 002 | F01 | 10 | 37. | 37. | 45. | 50. | 56. | 90. | 95. | 95. | 95. | 60. | 20.62 | 56.94 | 1.38 |
| 236 Beckley | 001 | F01 | 12 | 35. | 39. | 42. | 70. | 99. | 115. | 126. | 126. | 126. | 73. | 32.07 | 66.39 | 1.58 |
| 236 Fayette Co | 001 | F02 | 12 | 22. | 23. | 37. | 40. | 59. | 85. | 93. | 93. | 93. | 50. | 23.72 | 45.54 | 1.61 |
| 236 Montgomery | 001 | F02 | 7 | 47. | 47. | 54. | 62. | 72. | 198. | 198. | 198. | 198. | 92. | 60.72 | 78.10 | 1.79 |
| **WISCONSIN** | | | | | | | | | | | | | | | | |
| Ladysmith | 002 | J03 | 16 | 18. | 20. | 22. | 26. | 38. | 62. | 79. | 79. | 79. | 36. | 19.13 | 31.64 | 1.61 |
| 068 Grant Co | 001 | F02 | 15 | 33. | 39. | 44. | 68. | 98. | 129. | 131. | 131. | 131. | 76. | 34.78 | 68.94 | 1.61 |
| 068 Platteville | 001 | F01 | 16 | 31. | 39. | 50. | 63. | 98. | 117. | 126. | 126. | 126. | 75. | 32.22 | 67.85 | 1.58 |
| 073 Beloit | 001 | F01 | 14 | 43. | 46. | 53. | 78. | 101. | 132. | 132. | 132. | 132. | 82. | 33.35 | 75.76 | 1.53 |
| | 002 | F01 | 13 | 44. | 51. | 63. | 93. | 112. | 173. | 178. | 178. | 178. | 98. | 42.44 | 90.21 | 1.55 |
| | 003 | F01 | 15 | 35. | 36. | 50. | 60. | 100. | 105. | 170. | 170. | 170. | 77. | 36.69 | 69.58 | 1.59 |
| 128 Eau Claire | 005 | F01 | 28 | 13. | 22. | 28. | 34. | 44. | 91. | 99. | 103. | 103. | 44. | 25.90 | 38.33 | 1.71 |
| | 009 | F01 | 23 | 10. | 19. | 23. | 30. | 59. | 105. | 120. | 136. | 136. | 47. | 36.14 | 36.28 | 2.02 |
| 128 La Crosse | 003 | F01 | 27 | 23. | 25. | 43. | 53. | 65. | 92. | 101. | 121. | 121. | 57. | 25.25 | 52.12 | 1.58 |
| | 005 | F01 | 28 | 35. | 44. | 54. | 64. | 82. | 139. | 140. | 158. | 158. | 75. | 31.06 | 69.27 | 1.46 |
| 128 River Falls | 001 | F01 | 15 | 30. | 32. | 36. | 51. | 77. | 136. | 141. | 141. | 141. | 64. | 35.73 | 56.01 | 1.66 |
| 129 Ashland | 002 | F01 | 14 | 26. | 31. | 37. | 43. | 58. | 90. | 122. | 122. | 122. | 53. | 26.37 | 47.78 | 1.54 |
| | 003 | F01 | 15 | 18. | 23. | 27. | 51. | 70. | 111. | 126. | 126. | 126. | 55. | 33.14 | 45.88 | 1.86 |
| 129 Ladysmith | 001 | J03 | 15 | 13. | 13. | 15. | 21. | 42. | 54. | 58. | 58. | 58. | 30. | 16.70 | 25.57 | 1.77 |
| 129 Rusk Co | 001 | J03 | 16 | 11. | 13. | 15. | 18. | 34. | 66. | 72. | 72. | 72. | 29. | 20.56 | 23.47 | 1.87 |
| | 002 | J03 | 13 | 4. | 10. | 14. | 17. | 50. | 58. | 74. | 74. | 74. | 27. | 22.68 | 19.82 | 2.32 |
| 129 Superior | 004 | F01 | 45 | 19. | 25. | 33. | 40. | 53. | 102. | 120. | 135. | 135. | 52. | 30.42 | 45.45 | 1.67 |
| | 006 | F01 | 42 | 34. | 52. | 69. | 83. | 104. | 151. | 161. | 191. | 191. | 91. | 35.49 | 84.94 | 1.46 |
| | 010 | J02 | 16 | 29. | 30. | 46. | 49. | 75. | 114. | 121. | 121. | 121. | 63. | 28.92 | 57.16 | 1.57 |
| | 011 | J02 | 16 | 23. | 36. | 41. | 45. | 61. | 114. | 115. | 115. | 115. | 58. | 28.20 | 52.87 | 1.56 |
| | 012 | F02 | 4 | 21. | 21. | 30. | 30. | 56. | 62. | 62. | 62. | 62. | | | | |
| | 013 | F02 | 1 | 59. | 59. | 59. | 59. | 59. | 59. | 59. | 59. | 59. | | | | |
| 237 Appleton | 002 | F01 | 15 | 18. | 32. | 56. | 63. | 73. | 118. | 168. | 168. | 168. | 72. | 38.30 | 62.45 | 1.75 |
| 237 De Pere | 001 | F01 | 11 | 25. | 32. | 40. | 46. | 51. | 111. | 112. | 112. | 112. | 56. | 29.67 | 49.98 | 1.60 |
| 237 Fond Du Lac | 002 | F01 | 13 | 36. | 42. | 63. | 97. | 111. | 122. | 195. | 195. | 195. | 92. | 42.28 | 83.23 | 1.61 |
| 237 Green Bay | 001 | F01 | 3 | 31. | 31. | 31. | 45. | 137. | 137. | 137. | 137. | 137. | | | | |
| | 002 | F01 | 27 | 10. | 30. | 48. | 58. | 77. | 104. | 108. | 122. | 122. | 63. | 28.71 | 55.39 | 1.74 |
| | 008 | F01 | 10 | 10. | 10. | 14. | 28. | 37. | 69. | 80. | 80. | 80. | 36. | 25.29 | 27.80 | 2.14 |
| | 009 | F01 | 22 | 19. | 25. | 58. | 83. | 102. | 145. | 147. | 192. | 192. | 86. | 43.77 | 74.08 | 1.84 |
| 237 Manitowoc | 001 | F01 | 15 | 17. | 32. | 56. | 71. | 87. | 141. | 163. | 163. | 163. | 78. | 39.61 | 68.16 | 1.80 |
| 237 Marinette | 001 | J05 | 27 | 25. | 45. | 62. | 78. | 95. | 203. | 213. | 329. | 329. | 97. | 65.04 | 82.42 | 1.76 |
| | 002 | J05 | 27 | 4. | 26. | 39. | 51. | 64. | 88. | 91. | 113. | 113. | 54. | 24.25 | 47.32 | 1.89 |
| | 003 | J05 | 27 | 24. | 34. | 45. | 56. | 83. | 122. | 153. | 186. | 186. | 71. | 39.26 | 61.68 | 1.68 |
| 237 Menasha | 006 | F01 | 7 | 24. | 24. | 44. | 60. | 64. | 117. | 117. | 117. | 117. | 61. | 30.40 | 54.48 | 1.67 |
| 237 Neenah | 001 | F01 | 7 | 34. | 34. | 48. | 61. | 61. | 89. | 89. | 89. | 89. | 57. | 19.71 | 54.35 | 1.43 |
| | 999 | F05 | 25 | 21. | 34. | 57. | 80. | 100. | 160. | 211. | 275. | 275. | 91. | 58.57 | 76.44 | 1.83 |
| 237 Oshkosh | 005 | F01 | 13 | 13. | 23. | 27. | 38. | 54. | 108. | 137. | 137. | 137. | 49. | 36.02 | 39.65 | 1.91 |
| | 006 | F01 | 14 | 40. | 43. | 66. | 76. | 101. | 205. | 255. | 255. | 255. | 106. | 66.97 | 90.07 | 1.79 |
| 238 Marathon Co | 001 | F02 | 16 | 17. | 17. | 31. | 47. | 100. | 163. | 290. | 290. | 290. | 78. | 72.26 | 55.08 | 2.35 |
| 238 Marshfield | 004 | J02 | 16 | 25. | 28. | 49. | 72. | 103. | 120. | 126. | 126. | 126. | 75. | 33.20 | 66.57 | 1.69 |
| | 005 | F02 | 13 | 30. | 43. | 50. | 61. | 117. | 197. | 411. | 411. | 411. | 103. | 103.68 | 76.49 | 2.05 |
| 238 Rhinelander | 001 | F01 | 16 | 19. | 20. | 24. | 32. | 67. | 100. | 108. | 108. | 108. | 48. | 29.99 | 40.12 | 1.84 |
| 238 Stevens Point | 002 | F01 | 12 | 15. | 19. | 24. | 28. | 38. | 89. | 92. | 92. | 92. | 40. | 26.82 | 33.95 | 1.80 |
| 238 Vilas Co | 001 | F03 | 14 | 8. | 14. | 31. | 44. | 52. | 78. | 87. | 87. | 87. | 45. | 24.76 | 37.12 | 2.00 |
| 238 Wausau | 002 | F01 | 16 | 19. | 23. | 32. | 39. | 74. | 88. | 143. | 143. | 143. | 53. | 32.60 | 45.99 | 1.73 |
| | 003 | F01 | 15 | 26. | 26. | 32. | 44. | 68. | 92. | 120. | 120. | 120. | 53. | 29.73 | 46.78 | 1.68 |
| | 004 | F01 | 16 | 22. | 23. | 36. | 48. | 63. | 104. | 192. | 192. | 192. | 61. | 42.39 | 51.14 | 1.79 |
| 238 Wood Co | 001 | F02 | 12 | 24. | 25. | 34. | 53. | 60. | 114. | 120. | 120. | 120. | 58. | 31.06 | 51.02 | 1.68 |
| 239 Beloit | 005 | F01 | 13 | 41. | 56. | 62. | 90. | 146. | 174. | 229. | 229. | 229. | 106. | 54.31 | 94.89 | 1.65 |
| | 006 | F01 | 15 | 41. | 42. | 61. | 80. | 106. | 257. | 525. | 525. | 525. | 119. | 123.98 | 90.69 | 1.96 |
| 239 Franklin | 012 | F03 | 15 | 27. | 40. | 45. | 63. | 98. | 136. | 185. | 185. | 185. | 77. | 44.78 | 66.99 | 1.73 |
| 239 Kenosha | 005 | F02 | 15 | 34. | 34. | 51. | 85. | 124. | 153. | 170. | 170. | 170. | 90. | 47.81 | 77.59 | 1.79 |
| | 013 | F02 | 7 | 35. | 35. | 58. | 79. | 93. | 193. | 193. | 193. | 193. | 88. | 54.99 | 74.92 | 1.84 |
| | 999 | F05 | 26 | 38. | 45. | 63. | 77. | 97. | 168. | 193. | 206. | 206. | 95. | 45.70 | 85.61 | 1.57 |
| 239 Milwaukee | 013 | F01 | 16 | 36. | 41. | 46. | 83. | 92. | 166. | 193. | 193. | 193. | 86. | 47.29 | 75.08 | 1.70 |
| | 018 | F02 | 15 | 53. | 58. | 67. | 128. | 179. | 228. | 348. | 348. | 348. | 136. | 81.82 | 116.13 | 1.79 |
| | 022 | F01 | 14 | 35. | 35. | 63. | 79. | 102. | 140. | 263. | 263. | 263. | 93. | 58.48 | 80.19 | 1.73 |

# PARTICULATE, micrograms per cubic meter (25 C)
# HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **WISCONSIN — Cont.** | | | | | | | | | | | | | | | | |
| | 025 | F01 | 8 | 49. | 49. | 57. | 86. | 110. | 143. | 143. | 143. | 143. | 91. | 36.82 | 84.34 | 1.53 |
| | 027 | F01 | 11 | 30. | 31. | 32. | 56. | 65. | 118. | 155. | 155. | 155. | 64. | 40.50 | 54.33 | 1.76 |
| | 029 | F02 | 13 | 74. | 79. | 85. | 126. | 196. | 222. | 253. | 253. | 253. | 146. | 65.10 | 132.48 | 1.59 |
| | 031 | F01 | 16 | 25. | 27. | 35. | 47. | 69. | 121. | 133. | 133. | 133. | 61. | 35.43 | 52.69 | 1.75 |
| | 032 | F01 | 16 | 31. | 32. | 41. | 64. | 87. | 134. | 138. | 138. | 138. | 70. | 37.39 | 61.77 | 1.70 |
| | 033 | F01 | 1 | 136. | 136. | 136. | 136. | 136. | 136. | 136. | 136. | 136. | | | | |
| | 033 | F02 | 14 | 33. | 43. | 53. | 84. | 119. | 184. | 206. | 206. | 206. | 100. | 58.37 | 84.88 | 1.84 |
| | 034 | F02 | 15 | 38. | 47. | 51. | 72. | 96. | 143. | 182. | 182. | 182. | 83. | 41.42 | 74.99 | 1.60 |
| | 035 | F01 | 11 | 25. | 29. | 45. | 48. | 66. | 115. | 132. | 132. | 132. | 64. | 34.74 | 56.04 | 1.70 |
| | 044 | F01 | 13 | 30. | 33. | 53. | 77. | 92. | 132. | 132. | 132. | 132. | 79. | 35.00 | 71.59 | 1.62 |
| | 064 | F02 | 15 | 43. | 47. | 60. | 93. | 118. | 154. | 180. | 180. | 180. | 95. | 44.89 | 85.78 | 1.61 |
| | 065 | F01 | 10 | 28. | 28. | 36. | 50. | 84. | 121. | 149. | 149. | 149. | 72. | 42.66 | 61.56 | 1.82 |
| | 099 | F01 | 4 | 82. | 82. | 103. | 103. | 118. | 169. | 169. | 169. | 169. | | | | |
| 239 Port Washington | 001 | F01 | 13 | 19. | 20. | 29. | 48. | 76. | 110. | 158. | 158. | 158. | 60. | 41.85 | 48.25 | 1.98 |
| 239 Racine | 006 | F01 | 15 | 24. | 41. | 52. | 73. | 84. | 111. | 175. | 175. | 175. | 77. | 37.25 | 69.00 | 1.62 |
| | 007 | F01 | 16 | 31. | 32. | 39. | 53. | 80. | 108. | 111. | 111. | 111. | 60. | 26.16 | 54.85 | 1.53 |
| | 010 | F01 | 15 | 39. | 41. | 54. | 76. | 86. | 119. | 167. | 167. | 167. | 78. | 34.50 | 71.67 | 1.52 |
| | 014 | F01 | 12 | 29. | 36. | 44. | 51. | 107. | 114. | 134. | 134. | 134. | 72. | 36.18 | 63.26 | 1.69 |
| | 015 | F01 | 13 | 38. | 49. | 77. | 130. | 140. | 173. | 243. | 243. | 243. | 118. | 56.77 | 104.57 | 1.70 |
| 239 Racine Co | 001 | F01 | 16 | 37. | 38. | 43. | 57. | 86. | 131. | 148. | 148. | 148. | 70. | 33.11 | 64.09 | 1.55 |
| 239 South Milwaukee | 024 | F01 | 15 | 31. | 39. | 46. | 60. | 78. | 131. | 145. | 145. | 145. | 71. | 36.20 | 63.62 | 1.62 |
| 239 Walworth Co | 001 | F01 | 16 | 37. | 41. | 54. | 69. | 101. | 124. | 153. | 153. | 153. | 79. | 34.67 | 72.46 | 1.56 |
| 239 Waukesha | 001 | F01 | 16 | 42. | 45. | 59. | 72. | 107. | 129. | 144. | 144. | 144. | 83. | 32.50 | 77.12 | 1.49 |
| | 010 | F02 | 16 | 56. | 60. | 76. | 100. | 159. | 196. | 218. | 218. | 218. | 119. | 51.09 | 108.92 | 1.55 |
| | 012 | F02 | 19 | 25. | 44. | 64. | 89. | 139. | 256. | 280. | 280. | 280. | 117. | 75.32 | 96.84 | 1.90 |
| | 013 | F02 | 16 | 53. | 61. | 93. | 106. | 124. | 196. | 231. | 231. | 231. | 118. | 47.88 | 109.66 | 1.48 |
| | 014 | F02 | 18 | 36. | 69. | 103. | 133. | 185. | 430. | 475. | 475. | 475. | 180. | 123.76 | 147.35 | 1.93 |
| 239 Wauwatosa | 002 | F01 | 13 | 37. | 38. | 52. | 82. | 100. | 161. | 257. | 257. | 257. | 97. | 61.06 | 83.28 | 1.77 |
| 239 West Allis | 026 | F01 | 16 | 29. | 35. | 40. | 56. | 88. | 127. | 129. | 129. | 129. | 68. | 34.00 | 60.97 | 1.64 |
| 240 Columbia Co | 003 | J02 | 15 | 14. | 32. | 40. | 55. | 69. | 113. | 144. | 144. | 144. | 61. | 33.95 | 52.57 | 1.77 |
| | 004 | J02 | 15 | 27. | 30. | 47. | 56. | 78. | 126. | 172. | 172. | 172. | 68. | 39.48 | 59.49 | 1.71 |
| | 005 | J02 | 11 | 15. | 24. | 30. | 32. | 42. | 75. | 128. | 128. | 128. | 47. | 33.09 | 38.70 | 1.84 |
| | 008 | J02 | 16 | 14. | 19. | 36. | 55. | 67. | 103. | 126. | 126. | 126. | 57. | 30.88 | 48.20 | 1.86 |
| 240 Madison | 001 | F01 | 18 | 36. | 38. | 65. | 73. | 102. | 152. | 197. | 197. | 197. | 89. | 43.86 | 80.23 | 1.62 |
| | 002 | F02 | 11 | 33. | 66. | 68. | 77. | 81. | 86. | 93. | 93. | 93. | 73. | 15.95 | 71.31 | 1.32 |
| | 003 | F02 | 6 | 40. | 40. | 53. | 71. | 96. | 131. | 131. | 131. | 131. | 78. | 32.41 | 72.86 | 1.52 |
| | 005 | F01 | 13 | 38. | 39. | 53. | 76. | 96. | 106. | 137. | 137. | 137. | 76. | 28.68 | 71.44 | 1.48 |
| | 008 | F01 | 1 | 86. | 86. | 86. | 86. | 86. | 86. | 86. | 86. | 86. | | | | |
| | 008 | F02 | 14 | 37. | 38. | 59. | 78. | 109. | 130. | 135. | 135. | 135. | 84. | 35.03 | 75.99 | 1.61 |
| | 009 | F01 | 11 | 39. | 42. | 51. | 58. | 85. | 126. | 142. | 142. | 142. | 72. | 34.93 | 65.34 | 1.56 |
| | 009 | F02 | 1 | 82. | 82. | 82. | 82. | 82. | 82. | 82. | 82. | 82. | | | | |
| | 016 | F04 | 1 | 33. | 33. | 33. | 33. | 33. | 33. | 33. | 33. | 33. | | | | |
| | 017 | F04 | 19 | 26. | 34. | 73. | 83. | 124. | 201. | 212. | 212. | 212. | 101. | 53.65 | 88.14 | 1.75 |
| | 998 | F05 | 14 | 29. | 30. | 67. | 82. | 96. | 128. | 132. | 132. | 132. | | | | |
| **WYOMING** | | | | | | | | | | | | | | | | |
| 241 Casper | 001 | F01 | 15 | 38. | 41. | 49. | 68. | 89. | 119. | 128. | 128. | 128. | 73. | 28.23 | 68.54 | 1.47 |
| 241 Converse Co | 001 | F03 | 15 | 9. | 10. | 25. | 26. | 36. | 43. | 81. | 81. | 81. | 31. | 16.93 | 27.11 | 1.72 |
| | 006 | F03 | 11 | 8. | 9. | 12. | 16. | 17. | 20. | 72. | 72. | 72. | 19. | 17.91 | 15.63 | 1.80 |
| 241 Douglas | 002 | F01 | 9 | 12. | 12. | 19. | 26. | 36. | 152. | 152. | 152. | 152. | 39. | 43.34 | 28.45 | 2.11 |
| 241 Riverton | 001 | F01 | 15 | 23. | 23. | 31. | 38. | 51. | 64. | 79. | 79. | 79. | 42. | 16.74 | 39.37 | 1.47 |
| 242 Cheyenne | 001 | F01 | 15 | 2. | 17. | 39. | 49. | 54. | 62. | 68. | 68. | 68. | 45. | 17.22 | 37.05 | 2.39 |
| 242 Goshen Co | 001 | F03 | 10 | 3. | 3. | 12. | 15. | 21. | 22. | 26. | 26. | 26. | 16. | 6.62 | 14.50 | 1.85 |
| | 002 | F03 | 11 | 1. | 10. | 15. | 20. | 29. | 35. | 35. | 35. | 35. | 21. | 10.96 | 16.15 | 2.75 |
| | 003 | F03 | 14 | 8. | 15. | 28. | 37. | 43. | 57. | 71. | 71. | 71. | 37. | 17.15 | 32.11 | 1.79 |
| 242 Laramie | 005 | F01 | 12 | 16. | 35. | 36. | 42. | 53. | 76. | 85. | 85. | 85. | 49. | 19.36 | 44.87 | 1.56 |
| 242 Platte Co | 001 | F03 | 13 | 8. | 9. | 11. | 18. | 21. | 34. | 99. | 99. | 99. | 24. | 23.71 | 18.55 | 1.93 |
| 242 Torrington | 001 | F01 | 10 | 7. | 7. | 16. | 23. | 34. | 49. | 74. | 74. | 74. | 31. | 19.87 | 25.65 | 1.96 |
| 242 Wheatland | 001 | F01 | 11 | 25. | 25. | 28. | 30. | 43. | 58. | 79. | 79. | 79. | 40. | 17.72 | 36.85 | 1.49 |
| 243 Big Horn Co | 001 | F01 | 14 | 20. | 26. | 36. | 41. | 49. | 92. | 120. | 120. | 120. | 50. | 27.14 | 44.88 | 1.61 |
| 243 Buffalo | 001 | F03 | 12 | 1. | 4. | 6. | 10. | 19. | 26. | 27. | 27. | 27. | 14. | 9.00 | 10.21 | 2.64 |
| 243 Campbell Co | 002 | F03 | 12 | 9. | 10. | 11. | 17. | 27. | 54. | 66. | 66. | 66. | 24. | 18.35 | 19.31 | 1.95 |
| 243 Cody | 001 | F01 | 11 | 18. | 18. | 22. | 26. | 31. | 39. | 84. | 84. | 84. | 31. | 18.80 | 27.87 | 1.56 |
| 243 Crook Co | 002 | F03 | 14 | 7. | 9. | 11. | 11. | 15. | 31. | 34. | 34. | 34. | 16. | 8.32 | 14.21 | 1.60 |
| 243 Evanston | 001 | F01 | 12 | 25. | 45. | 83. | 88. | 93. | 165. | 167. | 167. | 167. | 92. | 41.86 | 82.33 | 1.69 |
| 243 Green River | 001 | F01 | 9 | 17. | 17. | 33. | 47. | 58. | 81. | 81. | 81. | 81. | 47. | 19.18 | 43.45 | 1.59 |
| 243 Johnson Co | 001 | F03 | 16 | 2. | 4. | 6. | 12. | 16. | 22. | 28. | 28. | 28. | 12. | 7.01 | 9.87 | 2.02 |
| 243 Lincoln Co | 002 | F01 | 16 | 6. | 11. | 21. | 37. | 43. | 59. | 101. | 101. | 101. | 38. | 22.76 | 31.11 | 1.98 |

## PARTICULATE, micrograms per cubic meter (25 C)
## HI-VOL GRAVIMETRIC, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **WYOMING — Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 243 Newcastle | 001 | F01 | 13 | 11. | 13. | 14. | 23. | 29. | 53. | 54. | 54. | 54. | 27. | 15.71 | 23.35 | 1.74 |
| 243 Park Co | 002 | F03 | 13 | 1. | 6. | 13. | 18. | 26. | 33. | 37. | 37. | 37. | 19. | 10.35 | 14.71 | 2.57 |
| 243 Rawlins | 001 | F01 | 12 | 11. | 15. | 20. | 25. | 36. | 41. | 49. | 49. | 49. | 28. | 11.27 | 25.40 | 1.55 |
| 243 Rock Springs | 001 | F01 | 14 | 16. | 53. | 66. | 92. | 123. | 148. | 174. | 174. | 174. | 98. | 43.91 | 86.10 | 1.84 |
|  | 002 | F01 | 16 | 29. | 31. | 48. | 58. | 69. | 90. | 112. | 112. | 112. | 59. | 21.59 | 55.70 | 1.44 |
|  | 003 | F01 | 15 | 30. | 33. | 56. | 62. | 73. | 81. | 260. | 260. | 260. | 74. | 53.80 | 64.13 | 1.63 |
| 243 Sheridan Co | 001 | F01 | 16 | 8. | 9. | 13. | 18. | 23. | 27. | 197. | 197. | 197. | 29. | 45.20 | 19.49 | 2.06 |
|  | 002 | F01 | 15 | 5. | 10. | 19. | 24. | 35. | 44. | 200. | 200. | 200. | 37. | 46.47 | 25.64 | 2.24 |
| 243 Sublette Co | 001 | F01 | 16 | 3. | 4. | 10. | 13. | 22. | 35. | 62. | 62. | 62. | 18. | 14.70 | 13.59 | 2.20 |
| 243 Sweetwater Co | 001 | F01 | 16 | 7. | 18. | 32. | 38. | 46. | 82. | 102. | 102. | 102. | 44. | 24.32 | 37.31 | 1.87 |
|  | 007 | F01 | 14 | 11. | 15. | 24. | 27. | 31. | 35. | 45. | 45. | 45. | 27. | 8.93 | 25.10 | 1.46 |
|  | 016 | F03 | 15 | 9. | 13. | 15. | 20. | 27. | 32. | 44. | 44. | 44. | 22. | 9.47 | 20.19 | 1.54 |
| 243 Teton Co | 001 | F01 | 15 | 2. | 5. | 8. | 11. | 15. | 17. | 21. | 21. | 21. | 11. | 5.32 | 9.95 | 1.85 |
| 243 Thermopolis | 001 | F01 | 15 | 15. | 18. | 34. | 39. | 43. | 48. | 58. | 58. | 58. | 38. | 11.07 | 36.03 | 1.43 |
| 243 Washakie Co | 001 | F01 | 9 | 1. | 1. | 4. | 6. | 7. | 8. | 8. | 8. | 8. | 5. | 2.52 | 4.31 | 2.02 |
| 243 Weston Co | 001 | F03 | 11 | 3. | 12. | 15. | 15. | 20. | 34. | 74. | 74. | 74. | 22. | 19.15 | 17.12 | 2.21 |
| 243 Worland | 001 | F01 | 16 | 14. | 25. | 29. | 36. | 41. | 62. | 67. | 67. | 67. | 38. | 14.21 | 35.83 | 1.47 |

# PARTICULATE, micrograms per cubic meter (25 C)
# MEMBRANE SAMPLER GRAVIMETRIC, 24 hours

## 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NORTH DAKOTA** | | | | | | | | | | | | | | | | |
| 172 Burleigh Co | 001 | F03 | 16 | 13. | 23. | 36. | 45. | 73. | 193. | 193. | 193. | 193. | 65. | 53.57 | 50.65 | 2.03 |
| 172 Mc Lean Co | 001 | F03 | 16 | 12. | 13. | 18. | 23. | 40. | 66. | 114. | 114. | 114. | 33. | 25.88 | 27.13 | 1.85 |

## CARBON MONOXIDE, milligrams per cubic meter (25 C)
## INSTRUMENTAL NONDISPERSIVE INFRA-RED, 1 hour

**1977 Second Quarter**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **ALABAMA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 004 Birmingham | 005 | G02 | 419 | .3 | .3 | 1.1 | 1.6 | 2.0 | 2.8 | 3.2 | 4.7 | 5.4 |  |  |  |  |
|  | 012 | G01 | 1653 | .3 | 1.0 | 1.4 | 1.8 | 2.3 | 3.4 | 4.1 | 6.0 | 9.3 | 2.1 | 1.10 | 1.82 | 1.65 |
| **ALASKA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 008 Anchorage | 013 | F01 | 1743 | .3 | .3 | .3 | .3 | 1.1 | 2.3 | 3.4 | 4.6 | 10.3 | 1.0 | 1.06 | .65 | 2.49 |
| 009 Fairbanks | 002 | G01 | 1823 | .3 | 1.1 | 1.7 | 2.3 | 3.4 | 5.7 | 6.9 | 9.2 | 16.1 | 2.9 | 2.06 | 2.17 | 2.34 |
|  | 012 | G01 | 1753 | .3 | 1.1 | 1.7 | 2.3 | 2.9 | 4.0 | 5.2 | 8.0 | 11.5 | 2.4 | 1.46 | 1.95 | 2.03 |
|  | 013 | F01 | 1950 | .3 | .3 | .3 | .3 | 1.1 | 2.3 | 3.4 | 5.7 | 9.2 | 1.1 | 1.20 | .66 | 2.66 |
|  | 014 | G01 | 1331 | .3 | 1.1 | 1.1 | 1.1 | 1.7 | 2.3 | 3.4 | 4.6 | 6.9 |  |  |  |  |
| 009 Fairbanks Ed | 001 | G01 | 1205 | .3 | .3 | .3 | .3 | 1.1 | 1.7 | 2.3 | 4.0 | 5.7 |  |  |  |  |
| **ARIZONA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 015 Glendale | 001 | G01 | 1339 | .3 | .3 | .3 | .3 | 1.1 | 1.1 | 2.3 | 4.6 | 9.2 |  |  |  |  |
| 015 Mesa | 002 | G01 | 683 | .3 | .3 | .3 | 1.1 | 1.1 | 3.4 | 3.4 | 6.9 | 11.5 |  |  |  |  |
| 015 Phoenix | 004 | G01 | 1328 | .3 | .3 | .3 | .3 | 1.1 | 2.3 | 4.6 | 6.9 | 10.3 |  |  |  |  |
|  | 006 | G01 | 1063 | .3 | .3 | .3 | .3 | 1.1 | 3.4 | 4.6 | 9.2 | 13.8 |  |  |  |  |
|  | 013 | G01 | 1398 | .3 | .3 | .3 | .3 | 1.1 | 2.3 | 3.4 | 8.0 | 14.9 |  |  |  |  |
| 015 Scottsdale | 003 | G01 | 1399 | .3 | .3 | 1.1 | 1.1 | 1.1 | 3.4 | 5.7 | 9.2 | 17.2 |  |  |  |  |
|  | 004 | G01 | 1358 | .3 | .3 | .3 | .3 | 1.1 | 1.1 | 2.3 | 3.4 | 8.0 |  |  |  |  |
| **COLORADO** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 036 Arvada | 002 | F01 | 2023 | .3 | .3 | .8 | 1.1 | 1.6 | 3.0 | 3.8 | 6.3 | 10.5 | 1.5 | 1.24 | 1.11 | 2.21 |
| 036 Denver | 002 | F01 | 1911 | .3 | .3 | 1.0 | 1.8 | 3.1 | 6.1 | 7.8 | 10.9 | 16.6 | 2.6 | 2.48 | 1.54 | 3.01 |
|  | 009 | F01 | 1980 | .3 | .8 | 1.4 | 2.1 | 2.5 | 3.7 | 4.8 | 7.1 | 12.1 | 2.2 | 1.42 | 1.80 | 2.03 |
|  | 010 | F01 | 1970 | .3 | 1.1 | 3.0 | 4.6 | 6.6 | 9.5 | 10.9 | 14.9 | 25.8 | 5.1 | 3.37 | 3.83 | 2.39 |
|  | 011 | F01 | 2003 | .3 | .3 | .7 | 1.1 | 1.5 | 2.4 | 3.3 | 4.7 | 9.2 | 1.2 | 1.00 | .91 | 2.28 |
| 036 Welby | 001 | F01 | 1957 | .3 | .3 | .3 | .9 | 1.5 | 2.9 | 3.8 | 5.6 | 9.0 | 1.2 | 1.22 | .81 | 2.55 |
| 037 Greeley | 005 | F01 | 1392 | .3 | .3 | .3 | .3 | 1.1 | 1.7 | 2.3 | 4.0 | 6.3 |  |  |  |  |
| 038 Colorado Springs | 004 | F01 | 1353 | .3 | .3 | .3 | 1.1 | 1.7 | 2.3 | 3.4 | 5.2 | 8.6 |  |  |  |  |
| **CONNECTICUT** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 042 Hartford | 009 | F01 | 2133 | .3 | 1.3 | 2.3 | 3.4 | 4.5 | 6.3 | 7.5 | 10.3 | 12.6 | 3.6 | 2.05 | 2.99 | 2.04 |
| 042 New Britain | 002 | F01 | 2143 | .3 | 1.5 | 2.3 | 3.4 | 4.9 | 8.0 | 9.4 | 14.1 | 20.1 | 4.1 | 2.78 | 3.29 | 2.05 |
| 042 New Haven | 007 | F01 | 1851 | .3 | .3 | 1.5 | 2.3 | 3.4 | 5.7 | 6.9 | 10.9 | 21.8 | 2.9 | 2.41 | 1.94 | 2.69 |
| 042 Waterbury | 004 | F01 | 236 | .3 | 2.1 | 3.4 | 4.8 | 6.9 | 10.9 | 13.2 | 18.4 | 26.4 |  |  |  |  |
| 043 Bridgeport | 004 | F01 | 1129 | .3 | 1.1 | 2.9 | 4.4 | 5.7 | 7.5 | 8.6 | 12.1 | 19.5 |  |  |  |  |
| 043 Greenwich | 001 | F01 | 2184 | .3 | .3 | .3 | 1.1 | 1.1 | 2.3 | 2.9 | 4.0 | 10.3 | 1.0 | .92 | .68 | 2.44 |
| 043 Norwalk | 005 | F01 | 1738 | .3 | 1.1 | 1.7 | 2.9 | 3.4 | 5.2 | 6.1 | 8.6 | 14.9 | 2.9 | 1.78 | 2.34 | 2.11 |
| **DISTRICT OF COLUMBIA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 047 Washington | 008 | I01 | 720 | .3 | 1.1 | 1.1 | 1.1 | 1.1 | 2.3 | 3.4 | 5.2 | 8.0 |  |  |  |  |
|  | 008 | I02 | 1464 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 2.3 | 3.4 | 6.9 | 17.2 |  |  |  |  |
|  | 013 | I01 | 1871 | .3 | 1.1 | 1.1 | 1.1 | 2.3 | 3.4 | 3.4 | 5.7 | 8.0 | 1.7 | .95 | 1.56 | 1.55 |
|  | 017 | I01 | 1440 | 1.1 | 1.1 | 1.1 | 1.1 | 2.3 | 3.4 | 4.6 | 6.9 | 37.9 |  |  |  |  |
|  | 017 | I02 | 742 | 1.1 | 1.1 | 1.1 | 1.1 | 2.3 | 3.4 | 4.6 | 5.7 | 6.9 |  |  |  |  |
|  | 018 | I01 | 1992 | .3 | 1.1 | 1.1 | 1.1 | 2.3 | 3.4 | 5.2 | 10.3 | 34.5 | 2.1 | 2.13 | 1.68 | 1.83 |
| **FLORIDA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 049 Jacksonville | 033 | H01 | 933 | .3 | .3 | 1.1 | 1.1 | 1.7 | 2.9 | 3.4 | 4.0 | 14.4 |  |  |  |  |
|  | 048 | H01 | 310 | .3 | .3 | 1.1 | 1.7 | 2.9 | 4.9 | 5.7 | 6.9 | 12.6 |  |  |  |  |
| 050 Fort Lauderdale | 003 | G03 | 1818 | .3 | .3 | 1.1 | 1.1 | 1.7 | 3.4 | 4.6 | 9.8 | 13.8 | 1.7 | 1.75 | 1.11 | 2.69 |
| 050 Lauderdale Lakes | 001 | G03 | 1108 | .3 | .3 | 1.1 | 2.3 | 3.4 | 5.2 | 5.7 | 8.0 | 10.9 |  |  |  |  |
| 050 West Palm Beach | 001 | G01 | 404 | .3 | .3 | .3 | .3 | .9 | 1.8 | 3.0 | 4.0 | 5.7 |  |  |  |  |
| 052 Clearwater | 002 | G02 | 1116 | .3 | .3 | .3 | .3 | 1.1 | 2.3 | 2.9 | 4.0 | 7.5 |  |  |  |  |
| 052 Pinellas Co | 001 | G01 | 1646 | .3 | .3 | .3 | .3 | .3 | 1.1 | 1.1 | 2.3 | 5.2 | .4 | .45 | .35 | 1.70 |
| 052 St Petersburg | 018 | H01 | 1924 | .3 | .3 | .3 | .3 | .3 | 1.1 | 1.7 | 2.9 | 8.4 | .6 | .66 | .41 | 1.96 |
| **GEORGIA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 056 Atlanta | 001 | G01 | 1285 | .3 | 1.1 | 1.7 | 2.3 | 3.1 | 4.6 | 5.4 | 10.3 | 28.1 |  |  |  |  |

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## CARBON MONOXIDE, milligrams per cubic meter (25 C)
## INSTRUMENTAL NONDISPERSIVE INFRA-RED, 1 hour

1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **GEORGIA — Cont.** | | | | | | | | | | | | | | | | |
| | 002 | G01 | 1357 | .3 | 1.1 | 1.7 | 2.3 | 3.1 | 4.6 | 5.7 | 8.0 | 14.3 | | | | |
| | 003 | G01 | 1451 | .3 | .6 | 1.1 | 1.7 | 2.6 | 4.3 | 5.4 | 7.2 | 9.7 | | | | |
| | 034 | F01 | 2031 | .3 | .6 | 1.1 | 1.7 | 2.3 | 3.7 | 4.9 | 6.6 | 9.7 | 2.0 | 1.38 | 1.51 | 2.14 |
| **IDAHO** | | | | | | | | | | | | | | | | |
| 064 Boise City | 007 | F01 | 1732 | .3 | .3 | .3 | .7 | 2.2 | 4.5 | 5.7 | 8.4 | 12.6 | 1.7 | 1.95 | .87 | 3.21 |
| **ILLINOIS** | | | | | | | | | | | | | | | | |
| 065 Peoria | 029 | F01 | 2093 | .3 | .8 | 1.5 | 2.0 | 2.8 | 4.4 | 5.2 | 7.6 | 11.4 | 2.3 | 1.51 | 1.83 | 2.12 |
| 067 Calumet City | 001 | G01 | 1732 | .3 | .3 | 1.3 | 1.7 | 2.6 | 4.0 | 4.9 | 6.0 | 6.7 | 2.1 | 1.38 | 1.58 | 2.27 |
| 067 Chicago | 002 | P10 | 1411 | .3 | 2.3 | 4.6 | 5.7 | 6.9 | 10.3 | 11.5 | 14.9 | 24.1 | | | | |
| | 040 | F01 | 2100 | .3 | .3 | 1.4 | 3.0 | 5.6 | 10.2 | 12.2 | 17.8 | 25.4 | 4.3 | 4.09 | 2.43 | 3.40 |
| 067 Chicago Heights | 001 | G01 | 1914 | .3 | .7 | 1.0 | 1.5 | 2.1 | 3.9 | 4.4 | 4.7 | 5.3 | 1.9 | 1.23 | 1.46 | 2.11 |
| 067 Hillside | 001 | G01 | 1934 | .3 | .3 | 1.3 | 1.6 | 2.0 | 2.4 | 2.5 | 3.0 | 3.7 | 1.6 | .73 | 1.30 | 2.01 |
| 067 Joliet | 005 | F01 | 2104 | .3 | .3 | .3 | .3 | .7 | 1.5 | 2.0 | 3.2 | 9.9 | .7 | .69 | .48 | 2.07 |
| 067 Skokie | 005 | G01 | 1956 | .3 | 1.6 | 2.8 | 3.3 | 4.0 | 5.1 | 5.7 | 7.2 | 9.5 | 3.4 | 1.38 | 3.02 | 1.74 |
| 069 Rock Island | 002 | F01 | 2019 | .3 | .8 | 1.4 | 1.8 | 2.4 | 3.6 | 4.4 | 7.4 | 14.0 | 2.1 | 1.39 | 1.71 | 1.95 |
| 070 East St Louis | 009 | F01 | 2048 | .3 | .3 | .3 | .3 | .8 | 1.6 | 2.2 | 2.9 | 3.6 | .7 | .64 | .50 | 2.11 |
| 070 Wood River | 007 | F01 | 1977 | .3 | .3 | .3 | .3 | .3 | .7 | 1.0 | 2.0 | 21.0 | .4 | .60 | .34 | 1.57 |
| 075 Springfield | 003 | F01 | 2125 | .3 | .3 | .3 | .7 | 1.1 | 2.0 | 2.5 | 3.7 | 6.2 | .9 | .79 | .67 | 2.24 |
| **INDIANA** | | | | | | | | | | | | | | | | |
| 067 East Chicago | 010 | H01 | 620 | .3 | 1.2 | 2.9 | 6.0 | 17.0 | 40.0 | 52.0 | 69.0 | 92.0 | | | | |
| 080 Indianapolis | 031 | F01 | 575 | .3 | .3 | .6 | .8 | 1.2 | 2.4 | 3.4 | 8.1 | 10.1 | | | | |
| **IOWA** | | | | | | | | | | | | | | | | |
| 068 Dubuque | 010 | F01 | 1859 | .3 | .3 | 1.0 | 1.9 | 2.9 | 4.4 | 5.7 | 7.6 | 12.5 | 2.2 | 1.77 | 1.49 | 2.68 |
| 069 Davenport | 011 | F01 | 2184 | .3 | 1.1 | 1.1 | 2.3 | 2.9 | 4.0 | 4.6 | 7.5 | 12.6 | 2.3 | 1.45 | 1.86 | 2.04 |
| 088 Cedar Rapids | 020 | G02 | 2183 | .3 | .3 | .3 | .7 | 1.0 | 1.7 | 2.3 | 4.3 | 10.7 | .9 | .87 | .62 | 2.18 |
| 092 Des Moines | 040 | G02 | 2157 | .3 | .3 | 1.1 | 1.7 | 2.9 | 5.7 | 6.9 | 10.3 | 18.4 | 2.4 | 2.30 | 1.45 | 3.03 |
| | 043 | G02 | 2103 | .3 | .3 | 1.1 | 1.7 | 2.9 | 5.2 | 6.9 | 10.9 | 23.0 | 2.6 | 2.31 | 1.59 | 3.04 |
| **KANSAS** | | | | | | | | | | | | | | | | |
| 094 Kansas City | 001 | H01 | 2144 | 1.0 | 1.0 | 2.0 | 3.0 | 5.0 | 5.0 | 6.0 | 8.0 | 12.0 | 3.2 | 1.76 | 2.64 | 1.87 |
| | 011 | F01 | 843 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 3.0 | 14.0 | | | | |
| 095 Lawrence | 003 | F01 | 1768 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 4.0 | 6.0 | 1.1 | .51 | 1.06 | 1.28 |
| 095 Topeka | 003 | F01 | 1500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 2.0 | 5.0 | 9.0 | | | | |
| 099 Wichita | 002 | F01 | 1712 | 1.0 | 1.0 | 1.0 | 2.0 | 2.0 | 4.0 | 6.0 | 13.0 | 25.0 | 2.3 | 2.27 | 1.79 | 1.93 |
| | 003 | F01 | 2169 | .3 | 1.0 | 1.5 | 2.0 | 2.5 | 3.5 | 4.0 | 7.5 | 14.0 | 2.0 | 1.30 | 1.70 | 1.87 |
| | 010 | F01 | 2106 | 1.0 | 1.0 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 10.0 | 22.0 | 2.4 | 1.79 | 1.96 | 1.85 |
| **KENTUCKY** | | | | | | | | | | | | | | | | |
| 072 Paducah | 020 | F01 | 2088 | .3 | 1.3 | 2.4 | 3.0 | 3.6 | 4.4 | 4.8 | 6.9 | 10.6 | 3.0 | 1.29 | 2.59 | 1.84 |
| 077 Henderson | 008 | F01 | 664 | .3 | .3 | .3 | .3 | .3 | .9 | 1.3 | 2.4 | 3.1 | | | | |
| 077 Owensboro | 008 | F01 | 1976 | .3 | .3 | .3 | 1.1 | 1.7 | 2.9 | 3.4 | 6.3 | 9.8 | 1.4 | 1.19 | .93 | 2.53 |
| 078 Louisville | 020 | G01 | 668 | .3 | .3 | 1.1 | 1.7 | 2.3 | 3.4 | 4.0 | 6.3 | 7.5 | | | | |
| | 025 | G03 | 832 | .3 | .3 | 1.1 | 1.1 | 1.7 | 2.3 | 3.4 | 4.6 | 7.5 | | | | |
| | 026 | G01 | 2027 | .3 | .3 | 1.1 | 2.3 | 4.0 | 6.9 | 8.6 | 12.1 | 21.8 | 3.3 | 2.84 | 2.02 | 3.09 |
| | 029 | G01 | 718 | .3 | 1.1 | 1.7 | 2.9 | 3.4 | 5.2 | 6.3 | 8.0 | 9.8 | | | | |
| | 034 | G01 | 1023 | .3 | .3 | .3 | .3 | 1.1 | 2.3 | 3.4 | 6.3 | 12.1 | | | | |
| 078 Shively | 001 | G01 | 2108 | .3 | 1.1 | 1.7 | 2.3 | 3.4 | 5.2 | 6.3 | 8.6 | 13.8 | 2.7 | 1.80 | 2.11 | 2.22 |
| 079 Newport | 001 | F01 | 247 | .3 | .3 | .3 | .9 | 1.5 | 2.3 | 3.2 | 3.8 | 4.6 | | | | |
| 102 Lexington | 002 | F01 | 1857 | .3 | .3 | .7 | 1.1 | 1.6 | 2.3 | 2.9 | 4.3 | 12.1 | 1.2 | .93 | .93 | 2.25 |
| 103 Ashland | 008 | F01 | 1515 | .3 | .3 | 1.1 | 2.0 | 2.5 | 3.7 | 4.4 | 6.1 | 7.5 | | | | |
| **MAINE** | | | | | | | | | | | | | | | | |
| 109 Bangor | 001 | F01 | 1426 | 1.0 | 1.0 | 2.0 | 2.0 | 4.0 | 6.0 | 8.0 | 12.0 | 14.0 | | | | |

# CARBON MONOXIDE, milligrams per cubic meter (25 C)
# INSTRUMENTAL NONDISPERSIVE INFRA-RED, 1 hour

## 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **MARYLAND** | | | | | | | | | | | | | | | | |
| 047 Bethesda | 005 | F01 | 1724 | .3 | .3 | .3 | .3 | 1.1 | 3.4 | 4.6 | 9.2 | 17.2 | 1.3 | 1.88 | .66 | 2.85 |
| 047 Cheverly | 004 | F01 | 1827 | .3 | .3 | .3 | .3 | 1.1 | 3.4 | 4.6 | 6.9 | 10.3 | 1.1 | 1.49 | .60 | 2.73 |
| 047 Silver Spring | 006 | F01 | 1658 | .3 | .3 | .3 | 1.1 | 2.3 | 4.6 | 4.6 | 8.0 | 11.5 | 1.7 | 1.73 | .97 | 2.98 |
| 047 Suitland-Silver Hill | 001 | F01 | 1795 | .3 | .3 | .3 | .3 | .3 | 1.1 | 2.3 | 3.4 | 8.0 | .5 | .68 | .39 | 1.92 |
| 113 Cumberland | 006 | F01 | 1805 | .3 | .3 | .3 | .3 | .3 | 2.3 | 3.4 | 5.7 | 12.6 | .8 | 1.28 | .49 | 2.43 |
| 113 Hagerstown | 004 | F01 | 1938 | .3 | .3 | .3 | .3 | .3 | 1.1 | 1.1 | 3.4 | 8.0 | .5 | .62 | .40 | 1.93 |
| 115 Baltimore | 004 | H01 | 1674 | .3 | .3 | 1.1 | 1.1 | 2.3 | 4.6 | 5.7 | 9.2 | 24.1 | 2.1 | 2.06 | 1.30 | 2.86 |
| | 011 | H01 | 1606 | .3 | .3 | .3 | 1.1 | 1.1 | 3.4 | 4.6 | 6.9 | 8.0 | | | | |
| | 018 | F01 | 1909 | .3 | .3 | .3 | 1.1 | 1.1 | 3.4 | 4.6 | 8.0 | 11.5 | 1.4 | 1.57 | .80 | 2.83 |
| | 019 | F01 | 1564 | .3 | .3 | .3 | 1.1 | 2.3 | 3.4 | 4.6 | 8.0 | 13.8 | | | | |
| 115 Riviera Beach | 002 | G01 | 81 | .3 | .3 | .3 | .3 | .3 | 1.1 | 1.1 | 2.3 | 2.3 | | | | |
| **MASSACHUSETTS** | | | | | | | | | | | | | | | | |
| 042 Springfield | 005 | F01 | 1996 | .3 | 1.1 | 2.3 | 2.3 | 3.4 | 6.9 | 8.0 | 10.3 | 13.8 | 3.2 | 2.22 | 2.54 | 2.11 |
| 118 Worchester | 012 | F01 | 1436 | .3 | 1.1 | 2.3 | 3.4 | 3.4 | 4.6 | 5.7 | 6.9 | 9.2 | | | | |
| 119 Boston | 002 | F01 | 2074 | .3 | 1.1 | 2.3 | 3.4 | 4.6 | 6.9 | 8.0 | 10.3 | 16.1 | 4.1 | 2.17 | 3.53 | 1.87 |
| | 016 | F01 | 1097 | .3 | 1.1 | 2.3 | 2.3 | 3.4 | 5.7 | 6.9 | 10.3 | 13.8 | | | | |
| 119 Cambridge | 004 | F01 | 1961 | .3 | 1.1 | 2.3 | 2.3 | 3.4 | 5.7 | 6.9 | 9.2 | 13.8 | 3.1 | 1.86 | 2.60 | 1.82 |
| 119 Medford | 003 | F01 | 2109 | .3 | 1.1 | 1.1 | 2.3 | 2.3 | 4.6 | 4.6 | 6.9 | 13.8 | 2.4 | 1.32 | 2.08 | 1.76 |
| 119 Quincy | 002 | F01 | 2081 | .3 | 1.1 | 2.3 | 2.3 | 3.4 | 3.4 | 4.6 | 5.7 | 11.5 | 2.6 | 1.03 | 2.42 | 1.57 |
| 119 Waltham | 004 | F01 | 1755 | .3 | 1.1 | 1.1 | 2.3 | 2.3 | 3.4 | 4.6 | 6.9 | 13.8 | 2.4 | 1.41 | 1.94 | 1.98 |
| 121 Lowell | 004 | F01 | 1825 | .3 | 1.1 | 2.3 | 2.3 | 3.4 | 4.6 | 6.9 | 9.2 | 13.8 | 3.1 | 1.74 | 2.59 | 1.87 |
| **MINNESOTA** | | | | | | | | | | | | | | | | |
| 127 St Cloud | 025 | H01 | 1471 | .3 | .3 | 1.5 | 2.3 | 3.2 | 5.7 | 6.9 | 9.8 | 13.8 | | | | |
| 128 Rochester | 018 | G01 | 1217 | .3 | 2.5 | 3.6 | 4.6 | 5.7 | 7.1 | 7.9 | 9.9 | 11.8 | | | | |
| 129 Duluth | 018 | G01 | 1949 | .3 | 1.1 | 2.3 | 3.4 | 5.7 | 8.6 | 10.3 | 16.7 | 26.4 | 4.5 | 3.31 | 3.36 | 2.34 |
| 131 Minneapolis | 022 | H01 | 2158 | .3 | .3 | .8 | 1.6 | 2.4 | 3.9 | 4.6 | 6.7 | 14.8 | 1.9 | 1.51 | 1.24 | 2.71 |
| | 027 | F01 | 2029 | .3 | .3 | .8 | 1.3 | 1.7 | 2.8 | 4.1 | 5.7 | 9.5 | 1.5 | 1.16 | 1.10 | 2.22 |
| | 047 | F01 | 2183 | .3 | 1.5 | 2.5 | 4.3 | 6.4 | 9.9 | 11.5 | 15.8 | 30.7 | 5.1 | 3.48 | 4.06 | 2.03 |
| 131 St Paul | 030 | H01 | 1070 | .3 | .3 | .9 | 1.8 | 3.0 | 5.1 | 6.1 | 9.5 | 15.8 | | | | |
| | 031 | H01 | 2164 | .3 | 1.4 | 2.0 | 2.3 | 2.8 | 3.6 | 4.3 | 7.1 | 16.9 | 2.5 | 1.22 | 2.28 | 1.51 |
| **MISSOURI** | | | | | | | | | | | | | | | | |
| 070 Afton | 001 | G01 | 132 | .3 | .3 | .3 | .8 | 3.7 | 6.8 | 8.3 | 8.9 | 9.0 | | | | |
| 070 Bellefontaine Neighbors | 002 | G01 | 104 | 1.3 | 3.1 | 4.7 | 6.2 | 7.1 | 7.6 | 7.7 | 8.0 | 10.8 | | | | |
| 070 Clayton | 001 | G01 | 164 | .3 | 1.6 | 3.1 | 3.9 | 4.9 | 6.3 | 6.7 | 7.7 | 7.8 | | | | |
| 070 St Ann | 001 | G01 | 119 | .9 | 4.0 | 5.9 | 6.4 | 7.4 | 8.5 | 9.2 | 11.0 | 11.3 | | | | |
| 070 St Louis Co | 006 | G01 | 47 | .3 | .3 | .3 | 1.6 | 3.4 | 4.7 | 5.3 | 5.6 | 5.6 | | | | |
| 094 North Kansas City | 004 | F01 | 87 | .3 | .3 | .3 | .3 | .3 | .3 | .3 | .3 | .3 | | | | |
| **MONTANA** | | | | | | | | | | | | | | | | |
| 140 Billings | 053 | F01 | 917 | .3 | .3 | 1.0 | 1.7 | 2.8 | 4.6 | 5.7 | 7.5 | 9.8 | | | | |
| 144 Missoula | 003 | F01 | 2095 | .3 | .9 | 2.6 | 5.7 | 8.0 | 10.9 | 12.0 | 14.8 | 20.0 | 5.7 | 3.86 | 3.89 | 2.83 |
| **NEBRASKA** | | | | | | | | | | | | | | | | |
| 085 Omaha | 024 | G01 | 1344 | .3 | .3 | .3 | 1.1 | 1.7 | 3.4 | 4.6 | 6.9 | 13.8 | | | | |
| | 031 | G01 | 1248 | .3 | .3 | 1.1 | 1.1 | 1.7 | 2.9 | 4.0 | 7.5 | 13.2 | | | | |
| 145 Lincoln | 007 | G01 | 2124 | .3 | .7 | 1.6 | 2.6 | 3.8 | 5.6 | 6.8 | 8.5 | 11.4 | 3.0 | 2.00 | 2.21 | 2.35 |
| **NEW HAMPSHIRE** | | | | | | | | | | | | | | | | |
| 107 Berlin | 007 | F01 | 1782 | .3 | .3 | .3 | .3 | 1.1 | 4.1 | 5.7 | 6.9 | 9.2 | 1.3 | 1.76 | .67 | 2.99 |
| 121 Manchester | 009 | F01 | 2176 | .3 | .3 | 1.1 | 1.1 | 1.1 | 2.3 | 2.3 | 3.4 | 8.0 | 1.2 | .70 | 1.02 | 1.92 |
| 121 Nashua | 005 | F01 | 2155 | .3 | .3 | 1.1 | 1.1 | 2.3 | 3.4 | 3.4 | 4.6 | 23.0 | 1.5 | 1.22 | 1.06 | 2.50 |
| **NEW MEXICO** | | | | | | | | | | | | | | | | |
| 152 Albuquerque | 002 | H01 | 2058 | .3 | .3 | .3 | .3 | 1.1 | 2.3 | 3.4 | 6.9 | 14.9 | 1.0 | 1.41 | .57 | 2.50 |
| | 009 | H01 | 2010 | .3 | .3 | .3 | 1.1 | 2.3 | 4.6 | 6.9 | 10.3 | 17.2 | 1.8 | 2.18 | .99 | 3.08 |
| | 018 | H01 | 1885 | .3 | .3 | .3 | 1.1 | 1.1 | 2.3 | 3.4 | 4.6 | 9.2 | 1.1 | 1.10 | .73 | 2.53 |

## CARBON MONOXIDE, milligrams per cubic meter (25 C)
## INSTRUMENTAL NONDISPERSIVE INFRA-RED, 1 hour

1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **NEW MEXICO—Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 153 Las Cruces | 007 | F01 | 1294 | .3 | 1.1 | 1.7 | 2.9 | 4.0 | 5.2 | 6.3 | 8.6 | 11.5 |  |  |  |  |
|  | 009 | F01 | 176 | .3 | .3 | .3 | 1.7 | 2.3 | 3.4 | 4.6 | 8.0 | 8.6 |  |  |  |  |
| 155 Roswell | 003 | F01 | 908 | .3 | .3 | 1.1 | 1.4 | 2.0 | 2.9 | 3.2 | 4.3 | 5.5 |  |  |  |  |
| 157 Santa Fe | 019 | F01 | 2033 | .3 | .3 | 1.7 | 2.3 | 2.9 | 4.6 | 5.2 | 7.5 | 10.9 | 2.5 | 1.53 | 1.90 | 2.34 |
| **NORTH CAROLINA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 167 Charlotte | 029 | G01 | 2128 | .9 | 1.7 | 2.3 | 2.6 | 3.5 | 5.5 | 6.3 | 8.1 | 10.6 | 3.2 | 1.55 | 2.83 | 1.58 |
| **OKLAHOMA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 184 Oklahoma City | 018 | F02 | 119 | .3 | .3 | .3 | .3 | 4.0 | 6.8 | 7.4 | 9.1 | 9.7 |  |  |  |  |
|  | 033 | F01 | 1689 | .3 | .3 | .3 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 1.5 | 1.28 | 1.01 | 2.59 |
| 186 Tulsa | 112 | F01 | 2067 | .3 | 2.9 | 5.4 | 6.9 | 7.8 | 9.5 | 10.1 | 12.1 | 106.1 | 6.5 | 3.34 | 5.57 | 2.01 |
|  | 126 | F02 | 2090 | .3 | 1.4 | 3.2 | 4.0 | 5.0 | 7.2 | 8.0 | 10.1 | 17.2 | 4.2 | 2.20 | 3.46 | 2.10 |
| **OREGON** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 193 Eugene | 007 | F01 | 2106 | .3 | 1.1 | 1.7 | 2.4 | 3.3 | 4.5 | 5.3 | 7.2 | 12.6 | 2.7 | 1.45 | 2.24 | 1.89 |
| 193 Portland | 002 | F01 | 2109 | .3 | 1.1 | 1.1 | 2.3 | 3.4 | 6.9 | 8.0 | 11.5 | 25.3 | 3.1 | 2.42 | 2.36 | 2.21 |
|  | 075 | F01 | 1792 | .3 | 1.1 | 1.1 | 2.3 | 3.4 | 5.8 | 6.9 | 9.2 | 14.9 | 2.8 | 1.93 | 2.20 | 2.17 |
|  | 078 | F01 | 2102 | .3 | 1.1 | 2.3 | 3.4 | 4.6 | 6.9 | 6.9 | 11.5 | 23.0 | 3.4 | 2.41 | 2.56 | 2.33 |
| 193 Salem | 016 | F01 | 2057 | .3 | .3 | 1.1 | 1.1 | 2.3 | 3.4 | 4.6 | 6.9 | 10.3 | 1.9 | 1.44 | 1.41 | 2.38 |
| **PENNSYLVANIA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 045 Philadelphia | 014 | H01 | 1743 | .3 | .3 | .3 | .3 | .3 | 1.1 | 1.1 | 2.3 | 3.4 | .5 | .47 | .42 | 1.90 |
|  | 019 | H01 | 1657 | .3 | .3 | .3 | 1.1 | 1.1 | 2.3 | 2.3 | 3.4 | 4.6 | .9 | .79 | .64 | 2.30 |
|  | 021 | H01 | 2048 | .3 | .3 | 1.1 | 1.1 | 2.3 | 3.4 | 3.4 | 4.6 | 8.0 | 1.6 | 1.12 | 1.17 | 2.26 |
|  | 022 | H01 | 1955 | .3 | .3 | .3 | 1.1 | 1.1 | 3.4 | 4.6 | 6.9 | 10.3 | 1.4 | 1.52 | .88 | 2.75 |
|  | 023 | H01 | 1246 | .3 | .3 | .3 | 1.1 | 1.1 | 2.3 | 2.3 | 3.4 | 4.6 |  |  |  |  |
|  | 024 | H01 | 2097 | .3 | .3 | .3 | 1.1 | 1.1 | 1.1 | 2.3 | 3.4 | 6.9 | 1.0 | .69 | .75 | 2.13 |
|  | 027 | H01 | 1654 | .3 | 1.1 | 2.3 | 3.4 | 5.7 | 9.2 | 10.3 | 14.9 | 23.0 | 4.4 | 3.29 | 3.04 | 2.68 |
| **RHODE ISLAND** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 120 Providence | 009 | F01 | 1914 | .6 | .6 | 1.7 | 2.9 | 4.6 | 8.6 | 9.8 | 13.2 | 17.3 | 3.9 | 3.02 | 2.77 | 2.40 |
| **SOUTH CAROLINA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 167 Rock Hill | 002 | F01 | 719 | .3 | 1.5 | 2.0 | 3.0 | 3.5 | 5.5 | 7.5 | 9.0 | 12.0 |  |  |  |  |
| 199 Charleston Co | 038 | F01 | 624 | 2.0 | 3.0 | 3.0 | 3.5 | 4.5 | 5.5 | 5.5 | 7.0 | 9.5 |  |  |  |  |
| 200 Richland Co | 00[illegible] | F01 | 708 | .3 | .3 | .3 | .3 | .3 | 1.5 | 2.5 | 5.5 | 8.5 |  |  |  |  |
| **TENNESSEE** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 018 Memphis | 021 | G01 | 1079 | .3 | .3 | .3 | .3 | .9 | 2.1 | 2.9 | 6.7 | 13.0 |  |  |  |  |
|  | 024 | G01 | 2118 | .3 | .3 | .9 | 1.7 | 2.6 | 4.6 | 6.1 | 9.5 | 20.1 | 2.2 | 2.03 | 1.45 | 2.69 |
| 055 Chattanooga | 024 | G01 | 1068 | .3 | 2.2 | 3.1 | 3.2 | 3.9 | 4.9 | 5.4 | 6.6 | 7.8 |  |  |  |  |
| 207 Knoxville | 013 | G01 | 1747 | .3 | .3 | 1.7 | 2.3 | 2.9 | 5.2 | 6.3 | 9.2 | 13.2 | 2.6 | 1.88 | 1.87 | 2.48 |
| 208 Nashville | 021 | G01 | 2113 | .3 | 1.1 | 2.9 | 4.6 | 6.3 | 9.2 | 12.1 | 17.2 | 27.6 | 5.0 | 3.54 | 3.65 | 2.52 |
| **VERMONT** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 159 Burlington | 003 | F01 | 949 | .3 | .3 | 1.1 | 1.7 | 2.3 | 3.4 | 3.4 | 5.2 | 5.7 |  |  |  |  |
| 159 Rutland | 002 | F01 | 650 | .3 | .3 | .3 | 1.1 | 1.1 | 1.7 | 2.3 | 3.4 | 5.7 |  |  |  |  |
| **VIRGINIA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 047 Alexandria | 009 | H01 | 2165 | .3 | .3 | .3 | 1.1 | 1.7 | 2.9 | 3.4 | 5.7 | 13.2 | 1.3 | 1.25 | .84 | 2.62 |
| 047 Arlington Co | 008 | F02 | 1986 | .3 | .3 | 1.1 | 1.7 | 2.3 | 4.0 | 5.2 | 8.0 | 18.4 | 2.1 | 1.71 | 1.47 | 2.49 |
| 047 Fairfax | 005 | G01 | 1938 | .3 | .3 | .3 | .6 | .6 | 1.7 | 1.7 | 2.3 | 3.5 | .8 | .56 | .61 | 1.92 |
| 047 Fairfax Co | 014 | G01 | 1764 | .3 | .3 | .6 | .6 | 1.2 | 2.3 | 3.5 | 6.3 | 10.9 | 1.1 | 1.15 | .83 | 2.14 |
| 047 Mc Lean | 001 | G01 | 1785 | .3 | .3 | .3 | .6 | 1.2 | 1.7 | 2.3 | 4.6 | 8.6 | .9 | .82 | .63 | 2.09 |
| 047 Seven Corners | 004 | G01 | 2150 | .3 | .3 | .3 | .6 | .6 | 1.7 | 2.3 | 4.0 | 8.1 | .8 | .74 | .58 | 2.01 |
| 223 Chesapeake | 001 | F02 | 2182 | .3 | .3 | .3 | .3 | .9 | 1.4 | 1.7 | 2.9 | 6.2 | .7 | .59 | .55 | 2.04 |

## CARBON MONOXIDE, milligrams per cubic meter (25 C)
## INSTRUMENTAL NONDISPERSIVE INFRA-RED, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **VIRGINIA — Cont.** | | | | | | | | | | | | | | | | |
| 223 Hampton | 004 | F02 | 2166 | .3 | .3 | .8 | .9 | 1.1 | 1.7 | 2.3 | 4.3 | 6.3 | 1.0 | .73 | .80 | 2.04 |
| 223 Norfolk | 010 | F01 | 2144 | .3 | .3 | .3 | .9 | 1.1 | 2.0 | 2.3 | 3.8 | 11.5 | 1.0 | .81 | .72 | 2.24 |
| 225 Richmond | 001 | H01 | 2094 | .3 | .3 | .3 | .8 | 1.4 | 2.5 | 3.4 | 5.7 | 24.7 | 1.2 | 1.47 | .76 | 2.57 |
| | 011 | H01 | 2098 | .3 | .3 | .3 | 1.1 | 1.4 | 2.3 | 3.2 | 5.5 | 14.4 | 1.2 | 1.15 | .86 | 2.31 |
| 226 Salem | 001 | G01 | 1948 | .3 | .3 | .3 | .3 | 1.1 | 2.9 | 2.9 | 4.0 | 7.5 | 1.1 | 1.03 | .68 | 2.57 |
| **WASHINGTON** | | | | | | | | | | | | | | | | |
| 062 Spokane | 013 | F01 | 1818 | .3 | .3 | 1.1 | 1.1 | 1.1 | 2.3 | 3.4 | 5.7 | 9.2 | 1.5 | 1.05 | 1.28 | 1.91 |
| | 023 | F01 | 1773 | .3 | 1.1 | 2.3 | 3.4 | 4.6 | 8.0 | 10.3 | 13.8 | 19.5 | 3.9 | 2.95 | 2.90 | 2.23 |
| 193 Vancouver | 007 | F01 | 2065 | .3 | .3 | 1.1 | 1.1 | 2.3 | 2.3 | 2.3 | 4.6 | 9.2 | 1.5 | .87 | 1.22 | 1.97 |
| 229 Seattle | 051 | F01 | 1884 | .3 | 1.1 | 2.3 | 2.3 | 4.6 | 8.0 | 9.2 | 12.6 | 26.4 | 3.6 | 2.93 | 2.56 | 2.46 |
| | 062 | F02 | 2067 | .3 | 1.1 | 2.3 | 2.3 | 3.4 | 5.7 | 6.9 | 10.3 | 18.4 | 3.2 | 2.14 | 2.49 | 2.15 |
| | 064 | F03 | 1875 | .3 | .3 | 1.1 | 1.1 | 2.3 | 3.4 | 4.6 | 6.9 | 13.8 | 1.9 | 1.39 | 1.48 | 2.15 |
| 229 Tacoma | 001 | F01 | 1695 | .3 | .3 | 1.1 | 1.1 | 1.1 | 2.3 | 3.4 | 3.4 | 6.9 | 1.3 | .90 | 1.01 | 2.19 |
| **WISCONSIN** | | | | | | | | | | | | | | | | |
| 239 Milwaukee | 040 | F01 | 1867 | .3 | .3 | .3 | .3 | .3 | .8 | 1.1 | 2.1 | 4.4 | .4 | .36 | .34 | 1.58 |
| | 041 | F01 | 12 | 1.4 | 1.8 | 2.0 | 2.4 | 3.8 | 4.8 | 4.9 | 4.9 | 4.9 | | | | |
| | 042 | F01 | 1905 | .3 | .3 | .3 | .3 | .8 | 1.6 | 2.1 | 3.6 | 6.8 | .7 | .70 | .50 | 2.10 |
| | 044 | F01 | 1813 | .3 | .3 | .9 | 1.6 | 2.4 | 4.0 | 4.8 | 6.7 | 9.0 | 1.9 | 1.49 | 1.28 | 2.56 |
| | 045 | F01 | 1567 | .3 | .3 | 1.2 | 1.8 | 2.5 | 4.0 | 4.9 | 6.4 | 10.3 | | | | |
| | 080 | F01 | 1727 | .3 | .3 | .3 | 1.1 | 1.8 | 2.9 | 3.6 | 5.4 | 10.8 | 1.4 | 1.20 | .96 | 2.51 |
| 239 Racine | 011 | F01 | 1902 | .3 | .3 | .3 | 1.0 | 1.6 | 2.7 | 3.4 | 4.9 | 15.6 | 1.2 | 1.12 | .83 | 2.48 |
| 239 Waukesha | 007 | F01 | 1472 | .3 | .3 | .3 | 1.1 | 1.8 | 2.9 | 3.5 | 4.8 | 11.1 | | | | |

# CARBON MONOXIDE, milligrams per cubic meter (25 C)
# INSTRUMENTAL GAS CHROMATOGRAPHIC, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **ALABAMA** | | | | | | | | | | | | | | | | |
| 007 Huntsville | 014 | H01 | 1906 | .3 | .3 | .3 | .3 | .3 | 1.4 | 2.0 | 3.1 | 5.1 | .6 | .64 | .42 | 2.00 |
| **ARIZONA** | | | | | | | | | | | | | | | | |
| 015 Phoenix | 002 | G01 | 1287 | .3 | 1.1 | 1.1 | 1.1 | 2.3 | 4.6 | 8.0 | 12.6 | 19.5 | | | | |
| **FLORIDA** | | | | | | | | | | | | | | | | |
| 005 Pensacola | 004 | F01 | 701 | .3 | .3 | .3 | 1.1 | 1.1 | 2.9 | 3.4 | 4.0 | 13.8 | | | | |
| 048 Winter Park | 002 | F01 | 1335 | .3 | .3 | .3 | .3 | .3 | .3 | 1.1 | 2.3 | 4.0 | | | | |
| 052 St Petersburg | 012 | H01 | 1109 | .3 | .3 | .3 | .3 | .3 | .3 | .7 | 2.1 | 5.3 | | | | |
| **ILLINOIS** | | | | | | | | | | | | | | | | |
| 067 Chicago | 033 | F01 | 1913 | .3 | .3 | 1.7 | 2.1 | 2.6 | 3.9 | 4.7 | 6.7 | 39.4 | 2.3 | 1.71 | 1.81 | 2.17 |
| **INDIANA** | | | | | | | | | | | | | | | | |
| 080 Indianapolis | 030 | F01 | 645 | .3 | .3 | .3 | .3 | .8 | 1.6 | 2.5 | 5.5 | 7.8 | | | | |
| **KENTUCKY** | | | | | | | | | | | | | | | | |
| 079 Newport | 001 | F01 | 916 | .3 | .3 | 1.1 | 1.7 | 2.3 | 3.2 | 3.8 | 4.9 | 6.7 | | | | |
| **MARYLAND** | | | | | | | | | | | | | | | | |
| 115 Baltimore Co | 003 | G01 | 1749 | .3 | .3 | .3 | .3 | .3 | 1.1 | 1.1 | 2.3 | 4.6 | .6 | .49 | .43 | 1.94 |
| 115 Essex | 001 | G01 | 1708 | .3 | .3 | .3 | 1.1 | 1.1 | 2.3 | 3.4 | 5.7 | 9.2 | 1.1 | 1.02 | .76 | 2.27 |
| 115 Towson | 002 | G01 | 1585 | .3 | .3 | 1.1 | 1.1 | 1.1 | 2.3 | 2.3 | 4.6 | 5.7 | | | | |
| **PENNSYLVANIA** | | | | | | | | | | | | | | | | |
| 045 Philadelphia | 004 | H01 | 1894 | .3 | .3 | .3 | 1.1 | 1.1 | 2.3 | 2.3 | 4.6 | 8.0 | 1.1 | .83 | .86 | 2.18 |
| | 020 | H01 | 805 | .3 | .3 | .3 | .3 | 1.1 | 1.1 | 2.3 | 2.3 | 3.4 | | | | |
| | 026 | H01 | 1838 | .3 | 2.3 | 3.4 | 4.6 | 5.7 | 6.9 | 9.2 | 11.5 | 19.5 | 4.5 | 2.24 | 4.03 | 1.64 |
| | 029 | H01 | 2096 | .3 | .3 | 1.1 | 1.1 | 1.1 | 2.3 | 3.4 | 5.7 | 14.9 | 1.4 | 1.10 | 1.12 | 2.08 |
| **TEXAS** | | | | | | | | | | | | | | | | |
| 106 Nederland | 003 | F01 | 1238 | .3 | .3 | .3 | .3 | .3 | .3 | .3 | .8 | 3.4 | | | | |
| 106 West Orange | 001 | F01 | 575 | .3 | .3 | .3 | .3 | .3 | .8 | 1.1 | 2.0 | 2.4 | | | | |
| 153 El Paso | 027 | F01 | 1857 | .3 | .3 | .9 | 1.5 | 2.1 | 3.3 | 4.1 | 6.2 | 13.3 | 1.7 | 1.33 | 1.28 | 2.31 |
| | 028 | F01 | 1766 | .3 | .3 | .3 | .3 | .3 | 1.8 | 3.1 | 7.2 | 21.7 | .8 | 1.56 | .46 | 2.34 |
| 212 Austin | 012 | F01 | 1604 | .3 | .3 | .3 | .3 | .3 | .3 | .9 | 2.0 | 9.1 | | | | |
| | 013 | F01 | 1154 | .3 | .3 | .3 | .3 | .8 | 1.4 | 1.8 | 3.4 | 6.9 | | | | |
| 214 Corpus Christi | 019 | F01 | 1366 | .3 | .3 | .3 | .3 | .3 | .8 | 1.4 | 3.1 | 7.2 | | | | |
| 215 Dallas | 045 | F01 | 1647 | .3 | .3 | .3 | .3 | .3 | .8 | 1.1 | 2.0 | 6.2 | .4 | .39 | .35 | 1.61 |
| | 047 | F01 | 843 | .3 | .3 | .3 | .7 | 1.0 | 2.1 | 2.8 | 5.5 | 9.1 | | | | |
| 215 Fort Worth | 002 | F01 | 1603 | .3 | .3 | .3 | .3 | .3 | .8 | 1.1 | 2.3 | 3.8 | | | | |
| | 003 | F01 | 1752 | .3 | .3 | .3 | .3 | .8 | 1.4 | 1.8 | 2.9 | 4.6 | .7 | .58 | .49 | 2.01 |
| 216 Clute City | 003 | F01 | 1898 | .3 | .3 | .3 | .3 | .3 | .3 | 1.0 | 1.7 | 3.3 | .4 | .29 | .32 | 1.45 |
| 216 Harris Co | 024 | F01 | 1502 | .3 | .3 | .3 | .3 | .3 | 1.1 | 1.8 | 4.4 | 5.5 | | | | |
| 216 Houston | 034 | F01 | 952 | .3 | .3 | .3 | .3 | .7 | 1.6 | 2.6 | 6.3 | 10.3 | | | | |
| 216 Texas City | 002 | F01 | 803 | .3 | .3 | .3 | .3 | .3 | .7 | .9 | 1.4 | 5.5 | | | | |
| 217 San Antonio | 036 | F01 | 1544 | .3 | .3 | .3 | .3 | .3 | 1.3 | 2.3 | 4.5 | 10.8 | | | | |
| | 041 | F01 | 1161 | .3 | .3 | .3 | .8 | 1.1 | 1.8 | 2.4 | 7.0 | 12.5 | | | | |
| 218 Odessa | 002 | F01 | 1276 | .3 | .3 | .3 | .3 | .3 | .3 | .3 | 1.1 | 6.2 | | | | |

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## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL WEST-GAEKE COLORIMETRIC, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **ILLINOIS** | | | | | | | | | | | | | | | | |
| 065 Pekin | 004 | F01 | 1454 | 13. | 13. | 13. | 13. | 39. | 107. | 241. | 558. | 2251. | | | | |
| 065 Peoria | 024 | F01 | 2127 | 13. | 13. | 13. | 37. | 65. | 144. | 223. | 571. | 1567. | 68. | 106.46 | 37.38 | 2.76 |
| 067 Chicago | 002 | P10 | 1269 | 13. | 13. | 13. | 13. | 13. | 60. | 86. | 194. | 419. | | | | |
| 067 Cook Co | 002 | H01 | 1408 | 26. | 26. | 26. | 26. | 52. | 105. | 131. | 210. | 2096. | | | | |
| 067 Waukegan | 002 | F01 | 1958 | 13. | 13. | 13. | 26. | 37. | 58. | 73. | 189. | 3280. | 46. | 198.75 | 24.36 | 2.12 |
| 069 Rock Island | 002 | F01 | 118 | 13. | 13. | 13. | 13. | 13. | 52. | 73. | 86. | 97. | | | | |
| 070 East St Louis | 009 | F01 | 1955 | 13. | 13. | 13. | 13. | 34. | 55. | 84. | 160. | 341. | 30. | 29.96 | 22.38 | 1.98 |
| 070 Wood River | 007 | F01 | 22 | 13. | 13. | 50. | 65. | 107. | 131. | 141. | 183. | 183. | | | | |
| 073 Rockford | 005 | F01 | 2007 | 13. | 13. | 13. | 39. | 55. | 86. | 100. | 121. | 925. | 44. | 36.85 | 33.92 | 2.08 |
| 075 Decatur | 006 | F01 | 1869 | 13. | 13. | 13. | 13. | 47. | 92. | 113. | 228. | 718. | 41. | 49.37 | 27.31 | 2.34 |
| 075 Springfield | 004 | F02 | 151 | 13. | 13. | 13. | 13. | 13. | 47. | 73. | 419. | 595. | | | | |
| **IOWA** | | | | | | | | | | | | | | | | |
| 069 Davenport | 011 | F01 | 1999 | 13. | 13. | 13. | 34. | 60. | 105. | 131. | 168. | 254. | 47. | 40.34 | 33.01 | 2.34 |
| **MAINE** | | | | | | | | | | | | | | | | |
| 110 Portland | 002 | F01 | 1809 | 13. | 13. | 13. | 13. | 35. | 70. | 95. | 140. | 295. | 30. | 29.42 | 22.09 | 2.07 |
| **NEW HAMPSHIRE** | | | | | | | | | | | | | | | | |
| 107 Berlin | 007 | F01 | 637 | 13. | 13. | 13. | 13. | 26. | 52. | 73. | 113. | 217. | | | | |
| 121 Keene | 005 | F01 | 638 | 13. | 13. | 34. | 47. | 60. | 92. | 113. | 168. | 217. | | | | |
| 121 Manchester | 009 | F01 | 647 | 13. | 29. | 39. | 47. | 60. | 86. | 102. | 157. | 314. | | | | |
| 121 Nashua | 005 | F01 | 593 | 13. | 13. | 26. | 31. | 42. | 65. | 65. | 79. | 100. | | | | |
| 121 Portsmouth | 008 | F01 | 717 | 13. | 13. | 13. | 26. | 34. | 58. | 65. | 118. | 157. | | | | |
| **OREGON** | | | | | | | | | | | | | | | | |
| 193 Portland | 074 | F02 | 1726 | 13. | 13. | 13. | 13. | 13. | 105. | 157. | 288. | 524. | 39. | 60.29 | 21.28 | 2.49 |
| **PENNSYLVANIA** | | | | | | | | | | | | | | | | |
| 045 Philadelphia | 004 | H01 | 1288 | 13. | 13. | 26. | 26. | 52. | 131. | 183. | 341. | 629. | | | | |
| | 026 | H01 | 1933 | 13. | 26. | 26. | 52. | 79. | 131. | 183. | 262. | 550. | 64. | 56.16 | 46.81 | 2.16 |
| **SOUTH CAROLINA** | | | | | | | | | | | | | | | | |
| 053 North Augusta | 001 | F01 | 525 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 55. | 200. | | | | |
| 167 Rock Hill | 002 | F01 | 310 | 13. | 13. | 13. | 13. | 13. | 13. | 30. | 145. | 285. | | | | |
| 199 Charleston Co | 038 | F01 | 536 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 60. | 85. | | | | |
| 204 Georgetown | 006 | F01 | 556 | 13. | 13. | 13. | 13. | 13. | 13. | 40. | 110. | 265. | | | | |
| **VERMONT** | | | | | | | | | | | | | | | | |
| 159 Burlington | 003 | F01 | 1272 | 13. | 13. | 13. | 13. | 13. | 31. | 42. | 65. | 97. | | | | |
| 159 Rutland | 002 | F01 | 1811 | 13. | 13. | 13. | 13. | 13. | 29. | 50. | 94. | 155. | 18. | 15.19 | 15.44 | 1.56 |
| | 003 | F01 | 1679 | 13. | 13. | 13. | 13. | 13. | 31. | 50. | 84. | 204. | 18. | 15.81 | 15.65 | 1.57 |
| 221 Barre | 003 | F01 | 1920 | 13. | 13. | 13. | 13. | 34. | 63. | 76. | 110. | 170. | 29. | 23.57 | 22.36 | 1.97 |

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## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL CONDUCTIMETRIC, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **MISSOURI** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 094 North Kansas City | 004 | F01 | 2169 | 13. | 13. | 13. | 13. | 13. | 52. | 79. | 183. | 262. | 22. | 28.78 | 16.55 | 1.83 |
| **TENNESSEE** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 207 Kingsport | 003 | J02 | 1057 | 13. | 13. | 13. | 13. | 42. | 130. | 193. | 395. | 688. |  |  |  |  |
|  | 004 | J02 | 1443 | 13. | 13. | 13. | 13. | 45. | 111. | 146. | 326. | 695. |  |  |  |  |
|  | 005 | J02 | 1786 | 13. | 13. | 13. | 13. | 13. | 63. | 99. | 222. | 572. | 28. | 40.84 | 18.69 | 2.05 |
| **WASHINGTON** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 228 Skagit Co | 003 | I02 | 1087 | 13. | 13. | 13. | 26. | 52. | 131. | 210. | 367. | 1022. |  |  |  |  |
| 229 Tacoma | 001 | F01 | 242 | 26. | 52. | 52. | 79. | 105. | 105. | 131. | 314. | 367. |  |  |  |  |

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# SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL COULOMETRIC, 1 hour
### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **ALABAMA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 005 Mobile | 008 | G01 | 1733 | 3. | 3. | 3. | 3. | 3. | 26. | 39. | 84. | 170. | 9. | 17.11 | 4.58 | 2.67 |
| 005 Mobile Co | 024 | G01 | 1177 | 3. | 3. | 3. | 10. | 21. | 110. | 223. | 715. | 969. |  |  |  |  |
|  | 025 | G02 | 1371 | 3. | 3. | 3. | 3. | 5. | 39. | 79. | 183. | 301. |  |  |  |  |
| 007 Jackson Co | 023 | F02 | 940 | 3. | 3. | 3. | 13. | 39. | 144. | 314. | 1441. | 2489. |  |  |  |  |
| 007 Muscle Shoals | 001 | F01 | 1827 | 3. | 3. | 13. | 26. | 39. | 65. | 92. | 210. | 720. | 35. | 47.72 | 21.79 | 2.87 |
| **ARIZONA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 015 Glendale | 001 | G01 | 946 | 3. | 3. | 3. | 3. | 24. | 50. | 60. | 86. | 147. |  |  |  |  |
| 015 Mesa | 002 | G01 | 789 | 3. | 3. | 3. | 3. | 5. | 16. | 21. | 37. | 79. |  |  |  |  |
| 015 Phoenix | 002 | G01 | 523 | 3. | 3. | 8. | 18. | 29. | 39. | 45. | 50. | 81. |  |  |  |  |
| **COLORADO** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 036 Arvada | 002 | F01 | 1944 | 3. | 3. | 3. | 3. | 5. | 16. | 24. | 47. | 134. | 7. | 9.80 | 4.67 | 2.24 |
| 036 Denver | 002 | F01 | 1958 | 3. | 3. | 10. | 18. | 26. | 55. | 81. | 186. | 296. | 27. | 32.53 | 16.38 | 2.74 |
|  | 009 | F01 | 1970 | 3. | 3. | 3. | 5. | 8. | 18. | 31. | 81. | 168. | 10. | 14.58 | 5.74 | 2.44 |
|  | 010 | F01 | 1927 | 3. | 3. | 5. | 8. | 13. | 26. | 45. | 110. | 288. | 14. | 20.90 | 8.43 | 2.48 |
|  | 011 | F01 | 1979 | 3. | 3. | 3. | 5. | 13. | 26. | 42. | 107. | 262. | 13. | 21.43 | 6.68 | 2.74 |
| 036 Welby | 001 | F01 | 1951 | 3. | 3. | 3. | 3. | 10. | 39. | 76. | 176. | 417. | 16. | 35.26 | 6.13 | 3.23 |
| **CONNECTICUT** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 042 Meriden | 002 | F01 | 1798 | 3. | 3. | 3. | 10. | 13. | 29. | 39. | 65. | 121. | 14. | 14.14 | 8.45 | 2.69 |
| 042 Milford | 002 | F01 | 1568 | 3. | 3. | 8. | 13. | 26. | 52. | 65. | 115. | 204. |  |  |  |  |
| 043 Bridgeport | 001 | F01 | 2146 | 3. | 3. | 13. | 16. | 26. | 52. | 65. | 118. | 202. | 24. | 23.87 | 14.92 | 2.78 |
| **DISTRICT OF COLUMBIA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 047 Washington | 013 | I02 | 2169 | 8. | 16. | 21. | 21. | 24. | 42. | 63. | 84. | 121. | 27. | 14.02 | 24.56 | 1.57 |
|  | 014 | I02 | 224 | 8. | 8. | 8. | 16. | 24. | 24. | 31. | 39. | 47. |  |  |  |  |
|  | 017 | I02 | 991 | 8. | 8. | 16. | 24. | 31. | 47. | 47. | 55. | 71. |  |  |  |  |
| **FLORIDA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 049 Jacksonville | 032 | H01 | 1713 | 3. | 3. | 3. | 13. | 26. | 52. | 92. | 183. | 445. | 24. | 37.18 | 10.97 | 3.54 |
|  | 033 | H01 | 1959 | 3. | 3. | 3. | 13. | 26. | 39. | 65. | 144. | 432. | 21. | 28.22 | 11.01 | 3.17 |
| 050 Belle Glade | 001 | G05 | 967 | 3. | 8. | 16. | 24. | 34. | 50. | 58. | 71. | 86. |  |  |  |  |
| 050 West Palm Beach | 001 | G01 | 1474 | 3. | 3. | 5. | 8. | 13. | 21. | 24. | 31. | 50. |  |  |  |  |
| 052 Tampa | 035 | G02 | 1205 | 3. | 3. | 26. | 26. | 52. | 79. | 131. | 183. | 2646. |  |  |  |  |
| **GEORGIA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 053 Augusta | 003 | F01 | 1615 | 13. | 13. | 13. | 13. | 25. | 41. | 41. | 104. | 485. |  |  |  |  |
| 054 Macon | 009 | F01 | 1008 | 13. | 13. | 13. | 13. | 13. | 20. | 30. | 40. | 50. |  |  |  |  |
| 055 Rome | 003 | F01 | 1945 | 13. | 13. | 13. | 30. | 50. | 100. | 130. | 250. | 520. | 44. | 48.29 | 30.18 | 2.29 |
| 056 Atlanta | 001 | G01 | 1796 | 13. | 13. | 13. | 26. | 39. | 65. | 85. | 144. | 471. | 33. | 30.96 | 25.38 | 1.97 |
| 056 Newnan | 001 | F01 | 1716 | 13. | 13. | 13. | 20. | 30. | 60. | 80. | 160. | 340. | 31. | 29.64 | 23.82 | 1.91 |
| 058 Savannah | 008 | F01 | 86 | 13. | 13. | 13. | 13. | 13. | 40. | 80. | 180. | 180. |  |  |  |  |
| 059 Dougherty Co | 003 | F01 | 1103 | 13. | 13. | 13. | 13. | 20. | 30. | 40. | 50. | 69. |  |  |  |  |
| **IDAHO** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 061 Bannock Co | 004 | F02 | 1992 | 3. | 3. | 3. | 3. | 26. | 157. | 288. | 734. | 2306. | 56. | 143.84 | 9.14 | 5.86 |
| 061 Caribou Co | 014 | F02 | 2066 | 3. | 3. | 3. | 3. | 26. | 131. | 210. | 498. | 1231. | 44. | 102.69 | 8.92 | 5.45 |
|  | 015 | J02 | 1927 | 3. | 3. | 3. | 3. | 3. | 26. | 79. | 262. | 1074. | 16. | 53.98 | 4.43 | 3.25 |
| 062 Kellogg | 002 | F02 | 2062 | 3. | 3. | 3. | 26. | 79. | 367. | 655. | 1651. | 3511. | 135. | 315.74 | 23.11 | 7.23 |
|  | 011 | J02 | 2103 | 3. | 3. | 3. | 26. | 52. | 288. | 367. | 891. | 3170. | 98. | 229.59 | 17.92 | 6.95 |
|  | 012 | J02 | 2080 | 3. | 3. | 3. | 3. | 52. | 236. | 524. | 1546. | 2882. | 103. | 271.93 | 15.15 | 7.09 |
| 062 Shoshone Co | 001 | F02 | 2069 | 3. | 3. | 3. | 3. | 26. | 79. | 157. | 445. | 3196. | 36. | 117.57 | 8.62 | 4.77 |
|  | 021 | F02 | 2048 | 3. | 3. | 3. | 26. | 105. | 445. | 760. | 1755. | 3616. | 155. | 348.02 | 24.38 | 7.93 |
|  | 026 | J02 | 2103 | 3. | 3. | 3. | 26. | 105. | 236. | 393. | 1022. | 2279. | 98. | 187.01 | 25.70 | 6.32 |
| 064 Boise City | 007 | F01 | 1722 | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 52. | 11. | 11.87 | 5.87 | 3.03 |

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## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL COULOMETRIC, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **ILLINOIS** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 067 Calumet City | 001 | G01 | 1579 | 3. | 3. | 26. | 52. | 105. | 183. | 262. | 393. | 576. |  |  |  |  |
| 067 Chicago | 033 | F01 | 1727 | 3. | 3. | 10. | 18. | 29. | 50. | 76. | 147. | 335. | 26. | 28.89 | 16.90 | 2.63 |
| 067 Chicago Heights | 001 | G01 | 1820 | 3. | 3. | 26. | 52. | 79. | 157. | 183. | 262. | 576. | 60. | 62.40 | 27.11 | 4.65 |
| 067 Cook Co | 016 | H01 | 2058 | 3. | 3. | 3. | 26. | 39. | 92. | 131. | 223. | 472. | 38. | 48.42 | 16.06 | 4.20 |
| 067 Hillside | 001 | G01 | 1790 | 3. | 3. | 26. | 26. | 79. | 131. | 183. | 262. | 341. | 52. | 57.64 | 23.16 | 4.50 |
| 067 Joliet | 005 | F01 | 2092 | 3. | 3. | 8. | 13. | 21. | 47. | 63. | 121. | 288. | 21. | 23.95 | 13.02 | 2.71 |
| 067 Skokie | 005 | G01 | 1688 | 3. | 3. | 3. | 26. | 52. | 105. | 131. | 183. | 262. | 37. | 42.95 | 15.53 | 4.49 |
| 070 East St Louis | 008 | F01 | 2097 | 3. | 8. | 16. | 24. | 39. | 89. | 131. | 225. | 566. | 39. | 45.63 | 23.84 | 2.73 |
| 070 Wood River | 007 | F01 | 1782 | 3. | 3. | 8. | 18. | 39. | 94. | 141. | 314. | 883. | 40. | 65.47 | 17.46 | 3.72 |
| 071 La Salle | 001 | F01 | 2059 | 3. | 3. | 8. | 16. | 21. | 47. | 60. | 89. | 595. | 20. | 25.11 | 13.04 | 2.62 |
| 074 Marion | 001 | F01 | 2118 | 3. | 5. | 13. | 18. | 29. | 50. | 71. | 160. | 354. | 26. | 28.61 | 18.03 | 2.43 |
| 075 Springfield | 003 | F01 | 2012 | 3. | 3. | 5. | 10. | 18. | 39. | 71. | 189. | 464. | 20. | 37.01 | 9.77 | 2.98 |
| **INDIANA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 067 East Chicago | 010 | H01 | 650 | 3. | 3. | 3. | 31. | 63. | 125. | 173. | 235. | 283. |  |  |  |  |
| 067 Gary | 001 | H01 | 659 | 13. | 13. | 13. | 17. | 35. | 70. | 122. | 209. | 314. |  |  |  |  |
|  | 015 | H01 | 405 | 13. | 25. | 25. | 25. | 49. | 74. | 99. | 123. | 198. |  |  |  |  |
| 067 Hammond | 002 | H01 | 686 | 26. | 26. | 26. | 26. | 66. | 197. | 362. | 558. | 689. |  |  |  |  |
|  | 008 | F01 | 688 | 3. | 7. | 18. | 32. | 65. | 266. | 468. | 749. | 833. |  |  |  |  |
| 076 Muncie | 003 | F01 | 690 | 3. | 3. | 7. | 14. | 24. | 38. | 46. | 67. | 88. |  |  |  |  |
| 078 New Albany | 004 | F01 | 687 | 3. | 3. | 7. | 14. | 25. | 65. | 155. | 590. | 796. |  |  |  |  |
| 080 Indianapolis | 028 | F01 | 570 | 3. | 3. | 5. | 22. | 47. | 130. | 206. | 357. | 559. |  |  |  |  |
|  | 029 | F01 | 674 | 3. | 3. | 8. | 23. | 51. | 122. | 163. | 285. | 429. |  |  |  |  |
|  | 030 | F01 | 670 | 3. | 3. | 3. | 16. | 45. | 105. | 143. | 220. | 425. |  |  |  |  |
| 082 South Bend | 008 | F01 | 690 | 3. | 3. | 10. | 14. | 24. | 41. | 51. | 82. | 153. |  |  |  |  |
| 083 Madison | 002 | F01 | 682 | 3. | 3. | 9. | 17. | 34. | 69. | 108. | 460. | 1023. |  |  |  |  |
| 084 Kokomo | 002 | F01 | 690 | 3. | 3. | 3. | 3. | 13. | 26. | 38. | 70. | 350. |  |  |  |  |
| 084 Terre Haute | 014 | F01 | 690 | 3. | 3. | 15. | 27. | 42. | 84. | 117. | 190. | 388. |  |  |  |  |
| **IOWA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 065 Lee Co | 004 | F02 | 2157 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 068 Dubuque | 008 | F02 | 1895 | 3. | 3. | 3. | 3. | 3. | 18. | 65. | 262. | 985. | 14. | 54.05 | 3.81 | 2.89 |
| 069 Clinton | 013 | F01 | 2171 | 3. | 3. | 3. | 3. | 3. | 3. | 31. | 157. | 355. | 8. | 27.99 | 3.28 | 2.28 |
| 088 Cedar Rapids | 018 | G02 | 1187 | 3. | 13. | 39. | 73. | 134. | 252. | 364. | 490. | 658. |  |  |  |  |
|  | 020 | G02 | 2132 | 3. | 5. | 18. | 34. | 58. | 136. | 204. | 409. | 684. | 57. | 75.87 | 29.92 | 3.32 |
| 088 Waterloo | 007 | F01 | 2148 | 3. | 3. | 3. | 3. | 3. | 11. | 28. | 95. | 308. | 7. | 18.16 | 3.46 | 2.22 |
| 092 Ames | 002 | F02 | 2165 | 3. | 3. | 3. | 3. | 3. | 11. | 68. | 193. | 434. | 11. | 35.78 | 3.68 | 2.72 |
| 092 Des Moines | 038 | F01 | 1673 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 52. | 552. | 5. | 26.50 | 2.86 | 1.65 |
| 092 Warren Co | 007 | F01 | 2064 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 10. | 118. | 3. | 5.36 | 2.70 | 1.31 |
| **KANSAS** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 094 Kansas City | 001 | H01 | 1695 | 10. | 10. | 10. | 20. | 30. | 50. | 70. | 220. | 380. | 29. | 35.98 | 20.79 | 2.06 |
|  | 011 | F01 | 257 | 3. | 3. | 3. | 3. | 3. | 50. | 80. | 120. | 160. |  |  |  |  |
| 095 Lawrence | 003 | F01 | 1714 | 3. | 3. | 3. | 3. | 3. | 3. | 10. | 30. | 60. | 4. | 5.36 | 2.83 | 1.64 |
| 095 Topeka | 003 | F01 | 2047 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 60. | 3. | 1.34 | 2.51 | 1.09 |
| 099 Wichita | 002 | F01 | 1811 | 3. | 3. | 5. | 10. | 15. | 20. | 25. | 30. | 50. | 11. | 7.70 | 8.43 | 2.21 |
|  | 010 | F01 | 2131 | 3. | 10. | 20. | 25. | 30. | 40. | 45. | 60. | 160. | 26. | 13.42 | 21.12 | 2.06 |
| **KENTUCKY** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 072 Mc Cracken Co | 001 | F02 | 1193 | 3. | 3. | 3. | 3. | 10. | 94. | 191. | 624. | 1200. |  |  |  |  |
|  | 021 | F02 | 1859 | 3. | 3. | 3. | 3. | 21. | 52. | 115. | 396. | 1603. | 29. | 86.72 | 7.59 | 4.21 |
|  | 022 | F02 | 2009 | 3. | 3. | 3. | 3. | 3. | 42. | 121. | 482. | 982. | 26. | 82.63 | 5.44 | 3.82 |
|  | 023 | F02 | 2116 | 3. | 3. | 3. | 3. | 5. | 47. | 76. | 304. | 875. | 21. | 61.21 | 5.65 | 3.62 |
| 072 Paducah | 020 | F01 | 1962 | 3. | 5. | 18. | 26. | 39. | 63. | 84. | 262. | 1095. | 38. | 61.68 | 23.82 | 2.66 |
| 078 Jefferson Co | 032 | G02 | 1274 | 3. | 3. | 3. | 52. | 79. | 236. | 367. | 943. | 2620. |  |  |  |  |
| 078 Louisville | 015 | G01 | 1779 | 3. | 13. | 26. | 52. | 79. | 183. | 249. | 472. | 1179. | 77. | 91.70 | 42.62 | 3.35 |
|  | 020 | G01 | 801 | 3. | 3. | 3. | 13. | 26. | 52. | 65. | 105. | 288. |  |  |  |  |
|  | 026 | G01 | 309 | 3. | 3. | 26. | 39. | 65. | 131. | 170. | 262. | 341. |  |  |  |  |
|  | 027 | G01 | 1565 | 3. | 3. | 26. | 52. | 105. | 223. | 288. | 511. | 917. |  |  |  |  |
|  | 034 | G01 | 1184 | 3. | 3. | 13. | 26. | 52. | 118. | 170. | 314. | 524. |  |  |  |  |
| 078 Shively | 001 | G01 | 1740 | 3. | 3. | 26. | 52. | 79. | 157. | 236. | 445. | 996. | 75. | 92.39 | 39.83 | 3.67 |
| 079 Boone Co | 003 | F03 | 1997 | 3. | 8. | 16. | 24. | 39. | 79. | 110. | 196. | 582. | 36. | 41.36 | 23.39 | 2.60 |
|  | 004 | F03 | 2066 | 3. | 8. | 16. | 24. | 31. | 50. | 65. | 139. | 333. | 28. | 26.29 | 21.75 | 2.03 |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL COULOMETRIC, 1 hour

1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **KENTUCKY — Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 079 Newport | 001 | F01 | 1152 | 3. | 8. | 21. | 34. | 52. | 105. | 131. | 217. | 576. |  |  |  |  |
| 102 Lexington | 002 | F01 | 1878 | 3. | 8. | 18. | 29. | 39. | 65. | 84. | 144. | 228. | 35. | 27.78 | 25.99 | 2.32 |
| 103 Ashland | 008 | F01 | 1879 | 3. | 3. | 13. | 29. | 45. | 92. | 121. | 191. | 409. | 40. | 42.11 | 22.77 | 3.16 |
| **LOUISIANA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 106 Baton Rouge | 003 | F01 | 1298 | 3. | 3. | 13. | 26. | 42. | 68. | 79. | 100. | 165. |  |  |  |  |
| 106 Lake Charles | 001 | F01 | 1688 | 3. | 3. | 10. | 18. | 29. | 50. | 60. | 89. | 147. | 23. | 19.46 | 15.62 | 2.72 |
| **MARYLAND** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 113 Allegany Co | 003 | G01 | 1110 | 3. | 3. | 26. | 26. | 26. | 52. | 52. | 131. | 288. |  |  |  |  |
| **MASSACHUSETTS** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 042 Chicopee | 005 | F01 | 1966 | 3. | 3. | 3. | 5. | 16. | 31. | 47. | 100. | 186. | 14. | 17.75 | 8.38 | 2.78 |
| 042 Springfield | 005 | F01 | 2086 | 3. | 5. | 13. | 21. | 26. | 47. | 58. | 100. | 233. | 24. | 18.79 | 18.41 | 2.18 |
| 117 Pittsfield | 004 | F01 | 2053 | 3. | 3. | 3. | 5. | 13. | 26. | 39. | 102. | 157. | 12. | 17.67 | 6.63 | 2.80 |
| 118 Fitchburg | 003 | F01 | 2157 | 3. | 3. | 5. | 13. | 26. | 52. | 71. | 94. | 173. | 21. | 22.28 | 11.31 | 3.19 |
| 118 Worchester | 012 | F01 | 2145 | 3. | 3. | 3. | 5. | 13. | 37. | 50. | 76. | 170. | 13. | 17.29 | 7.13 | 2.95 |
| 119 Boston | 002 | F01 | 1957 | 3. | 3. | 18. | 31. | 45. | 79. | 105. | 170. | 393. | 38. | 35.68 | 23.00 | 3.16 |
| 119 Cambridge | 004 | F01 | 2036 | 3. | 3. | 3. | 10. | 24. | 50. | 65. | 110. | 288. | 20. | 24.61 | 10.35 | 3.28 |
| 119 Medford | 003 | F01 | 2074 | 3. | 3. | 5. | 13. | 26. | 47. | 68. | 118. | 275. | 21. | 24.97 | 11.42 | 3.10 |
| 119 Quincy | 002 | F01 | 2027 | 3. | 3. | 8. | 16. | 24. | 47. | 65. | 107. | 162. | 21. | 22.70 | 12.64 | 2.91 |
| 119 Salem | 001 | F01 | 1287 | 3. | 3. | 13. | 26. | 39. | 65. | 84. | 118. | 170. |  |  |  |  |
| 119 Waltham | 004 | F01 | 2067 | 3. | 3. | 5. | 10. | 18. | 37. | 52. | 81. | 123. | 16. | 17.13 | 9.90 | 2.72 |
| 120 Attleboro | 003 | F01 | 1246 | 3. | 3. | 3. | 3. | 8. | 18. | 24. | 37. | 73. |  |  |  |  |
| 120 Fall River | 004 | F01 | 1846 | 3. | 3. | 3. | 5. | 13. | 37. | 63. | 86. | 152. | 13. | 19.49 | 6.63 | 3.00 |
| 121 Lawrence | 003 | F01 | 2142 | 3. | 3. | 3. | 8. | 26. | 58. | 81. | 136. | 4192. | 24. | 94.58 | 9.78 | 3.65 |
| 121 Lowell | 004 | F01 | 2157 | 3. | 3. | 3. | 8. | 16. | 29. | 39. | 58. | 118. | 12. | 13.19 | 7.44 | 2.75 |
| **MINNESOTA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 127 St Cloud | 021 | H01 | 1673 | 5. | 5. | 5. | 5. | 5. | 13. | 26. | 47. | 79. | 8. | 7.97 | 6.80 | 1.71 |
| 128 Rochester | 001 | G01 | 2172 | 5. | 5. | 5. | 5. | 16. | 31. | 79. | 236. | 524. | 20. | 41.81 | 10.53 | 2.53 |
| 129 Duluth | 016 | G01 | 1104 | 5. | 5. | 5. | 5. | 13. | 26. | 37. | 65. | 100. |  |  |  |  |
| 129 Lake Co | 005 | F01 | 1757 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | .00 | 5.24 | 1.00 |
| 131 Bloomington | 009 | F01 | 2016 | 5. | 8. | 21. | 26. | 34. | 47. | 60. | 178. | 726. | 31. | 36.33 | 24.25 | 2.02 |
| 131 Dakota Co | 020 | F02 | 2063 | 10. | 13. | 13. | 13. | 26. | 113. | 359. | 2096. | 2138. | 95. | 316.05 | 25.71 | 3.13 |
| 131 Minneapolis | 005 | H01 | 1625 | 5. | 5. | 10. | 21. | 31. | 50. | 65. | 113. | 301. |  |  |  |  |
|  | 022 | H01 | 2101 | 5. | 5. | 8. | 16. | 24. | 42. | 55. | 89. | 236. | 20. | 18.80 | 14.76 | 2.24 |
|  | 027 | F01 | 2051 | 5. | 8. | 18. | 26. | 37. | 60. | 76. | 121. | 246. | 32. | 24.12 | 24.79 | 2.15 |
| 131 St Paul | 031 | H01 | 1749 | 5. | 5. | 5. | 13. | 24. | 47. | 79. | 196. | 563. | 24. | 35.82 | 14.08 | 2.53 |
| 131 St Paul Park | 006 | F02 | 2134 | 10. | 29. | 52. | 68. | 92. | 141. | 202. | 427. | 791. | 85. | 76.70 | 66.94 | 1.99 |
| **MISSISSIPPI** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 005 Biloxi | 003 | F01 | 1783 | 3. | 3. | 13. | 13. | 13. | 18. | 34. | 131. | 306. | 16. | 22.13 | 11.37 | 2.18 |
| 005 Gulfport | 003 | F02 | 1468 | 3. | 3. | 13. | 13. | 13. | 53. | 86. | 306. | 549. |  |  |  |  |
| 005 Jackson | 003 | F01 | 1887 | 13. | 13. | 13. | 13. | 13. | 23. | 30. | 47. | 85. | 16. | 7.31 | 15.21 | 1.35 |
| 005 Moss Point | 001 | F01 | 1818 | 3. | 13. | 13. | 13. | 17. | 27. | 38. | 72. | 136. | 18. | 11.60 | 15.84 | 1.51 |
| 018 De Soto Co | 002 | F01 | 1916 | 3. | 13. | 13. | 13. | 21. | 34. | 42. | 111. | 340. | 21. | 22.78 | 18.14 | 1.61 |
| **MISSOURI** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 094 Sugar Creek | 002 | F02 | 727 | 3. | 3. | 3. | 3. | 3. | 3. | 79. | 262. | 524. |  |  |  |  |
| 138 Iron Co | 005 | F02 | 1314 | 3. | 3. | 3. | 3. | 3. | 3. | 52. | 314. | 785. |  |  |  |  |
| **MONTANA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140 Billings | 053 | F01 | 860 | 3. | 3. | 3. | 3. | 3. | 3. | 26. | 79. | 524. |  |  |  |  |
| 142 Anaconda | 904 | F02 | 1439 | 3. | 3. | 3. | 3. | 3. | 79. | 236. | 1100. | 2751. |  |  |  |  |
| 142 Deer Lodge Co | 004 | F02 | 1355 | 3. | 3. | 3. | 3. | 3. | 105. | 262. | 1022. | 2306. |  |  |  |  |
|  | 012 | F02 | 519 | 3. | 3. | 3. | 3. | 26. | 157. | 262. | 681. | 1048. |  |  |  |  |
|  | 906 | F02 | 557 | 3. | 3. | 3. | 3. | 3. | 79. | 288. | 1127. | 4637. |  |  |  |  |
| 142 Helena | 001 | F02 | 1238 | 3. | 3. | 3. | 3. | 3. | 26. | 79. | 210. | 576. |  |  |  |  |
|  | 011 | F02 | 1114 | 3. | 3. | 3. | 3. | 26. | 157. | 288. | 524. | 1153. |  |  |  |  |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL COULOMETRIC, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **MONTANA — Cont.** | | | | | | | | | | | | | | | | |
| 142 Jefferson Co | 902 | F02 | 1107 | 3. | 3. | 3. | 3. | 3. | 52. | 131. | 419. | 2044. | | | | |
| | 903 | F02 | 1245 | 3. | 3. | 3. | 3. | 3. | 52. | 157. | 472. | 1336. | | | | |
| 143 Rosebud Co | 027 | F02 | 719 | 3. | 3. | 3. | 3. | 3. | 131. | 131. | 131. | 262. | | | | |
| **NEW HAMPSHIRE** | | | | | | | | | | | | | | | | |
| 107 Berlin | 007 | F01 | 1382 | 3. | 3. | 8. | 13. | 21. | 34. | 47. | 79. | 231. | | | | |
| | 011 | J02 | 1685 | 3. | 3. | 13. | 13. | 39. | 92. | 170. | 485. | 707. | 44. | 78.71 | 17.21 | 4.02 |
| | 013 | J02 | 250 | 3. | 3. | 8. | 26. | 42. | 68. | 94. | 189. | 312. | | | | |
| 121 Keene | 005 | F01 | 1178 | 3. | 13. | 29. | 39. | 50. | 73. | 89. | 123. | 204. | | | | |
| 121 Manchester | 009 | F01 | 1439 | 3. | 13. | 24. | 31. | 39. | 60. | 71. | 100. | 178. | | | | |
| 121 Nashua | 005 | F01 | 1420 | 3. | 16. | 26. | 31. | 42. | 65. | 71. | 100. | 131. | | | | |
| 121 Portsmouth | 008 | F01 | 1434 | 3. | 8. | 21. | 26. | 39. | 60. | 79. | 113. | 144. | | | | |
| **NEW MEXICO** | | | | | | | | | | | | | | | | |
| 012 Bayard | 001 | F01 | 2000 | 3. | 3. | 3. | 3. | 3. | 3. | 79. | 157. | 419. | 11. | 33.96 | 3.52 | 2.63 |
| 012 Grant Co | 008 | F02 | 2086 | 3. | 3. | 3. | 3. | 3. | 3. | 26. | 131. | 341. | 8. | 25.11 | 3.38 | 2.35 |
| 012 Hidalgo Co | 005 | F02 | 1738 | 3. | 3. | 3. | 3. | 3. | 105. | 183. | 419. | 1179. | 36. | 88.58 | 6.91 | 4.98 |
| 014 San Juan Co | 005 | F02 | 1881 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 105. | 3. | 5.02 | 2.68 | 1.29 |
| | 014 | F02 | 1604 | 3. | 3. | 3. | 3. | 3. | 3. | 24. | 115. | 519. | | | | |
| | 017 | F02 | 1805 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 79. | 236. | 7. | 14.46 | 3.52 | 2.31 |
| 153 Dona Ana Co | 002 | F02 | 2063 | 3. | 3. | 3. | 3. | 3. | 157. | 262. | 655. | 1572. | 49. | 127.00 | 7.27 | 5.61 |
| | 014 | F02 | 1780 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| **NORTH CAROLINA** | | | | | | | | | | | | | | | | |
| 167 Mecklenburg Co | 007 | G02 | 902 | 5. | 7. | 19. | 29. | 39. | 65. | 94. | 162. | 312. | | | | |
| **NORTH DAKOTA** | | | | | | | | | | | | | | | | |
| 172 Burleigh Co | 001 | F03 | 1187 | 3. | 3. | 3. | 3. | 3. | 3. | 26. | 105. | 262. | | | | |
| **PENNSYLVANIA** | | | | | | | | | | | | | | | | |
| 045 Philadelphia | 014 | H01 | 2126 | 3. | 26. | 26. | 26. | 52. | 79. | 105. | 157. | 524. | 46. | 36.32 | 33.75 | 2.47 |
| | 019 | H01 | 2151 | 3. | 3. | 26. | 26. | 52. | 105. | 131. | 236. | 524. | 48. | 49.20 | 27.75 | 3.47 |
| | 020 | H01 | 1703 | 3. | 26. | 26. | 52. | 79. | 105. | 131. | 210. | 367. | 59. | 44.59 | 41.07 | 2.79 |
| | 021 | H01 | 2009 | 3. | 3. | 3. | 26. | 26. | 52. | 79. | 131. | 288. | 27. | 29.02 | 14.36 | 3.58 |
| | 022 | H01 | 2122 | 3. | 3. | 26. | 26. | 52. | 131. | 210. | 445. | 1179. | 54. | 82.20 | 21.45 | 4.46 |
| | 023 | H01 | 1669 | 3. | 3. | 26. | 26. | 52. | 79. | 105. | 157. | 288. | 36. | 36.09 | 18.98 | 3.77 |
| | 024 | H01 | 2062 | 3. | 3. | 26. | 26. | 52. | 79. | 105. | 183. | 498. | 40. | 37.46 | 24.36 | 3.23 |
| | 027 | H01 | 1807 | 3. | 3. | 26. | 52. | 79. | 105. | 131. | 210. | 445. | 54. | 45.39 | 32.20 | 3.48 |
| | 029 | H01 | 1982 | 3. | 26. | 26. | 52. | 79. | 157. | 210. | 341. | 655. | 73. | 65.46 | 48.05 | 2.90 |
| **RHODE ISLAND** | | | | | | | | | | | | | | | | |
| 120 Providence | 011 | F01 | 1802 | 3. | 3. | 3. | 3. | 21. | 40. | 59. | 105. | 204. | 16. | 21.41 | 7.77 | 3.41 |
| **SOUTH CAROLINA** | | | | | | | | | | | | | | | | |
| 198 Sumter | 003 | F01 | 386 | 3. | 3. | 3. | 3. | 3. | 3. | 25. | 75. | 205. | | | | |
| 199 Charleston Co | 003 | F02 | 360 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 100. | 270. | | | | |
| 200 Richland Co | 003 | F01 | 436 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 201 Florence | 001 | F01 | 484 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 202 Greenville | 001 | F01 | 564 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 50. | 205. | | | | |
| **TENNESSEE** | | | | | | | | | | | | | | | | |
| 207 Alcoa | 002 | J02 | 1770 | 5. | 5. | 7. | 14. | 26. | 64. | 93. | 157. | 867. | 27. | 42.82 | 15.75 | 2.64 |
| | 003 | J02 | 1431 | 5. | 5. | 5. | 9. | 16. | 31. | 41. | 65. | 221. | | | | |
| 207 Cocke Co | 002 | J02 | 806 | 3. | 3. | 3. | 3. | 3. | 18. | 47. | 92. | 320. | | | | |
| | 003 | J02 | 476 | 3. | 3. | 3. | 3. | 3. | 26. | 76. | 228. | 293. | | | | |
| 207 Elizabethton | 002 | J02 | 2117 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 39. | 65. | 14. | 3.83 | 13.54 | 1.18 |
| | 003 | J02 | 1667 | 13. | 13. | 13. | 13. | 13. | 39. | 118. | 249. | 314. | 26. | 43.51 | 16.95 | 1.97 |
| | 004 | J02 | 2148 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 39. | 144. | 14. | 6.86 | 13.50 | 1.22 |

# SULFUR DIOXIDE, micrograms per cubic meter (25 C)
# INSTRUMENTAL COULOMETRIC, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **TENNESSEE — Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 207 Knoxville | 013 | G01 | 1463 | 13. | 13. | 13. | 26. | 26. | 65. | 92. | 157. | 288. |  |  |  |  |
| 207 Polk Co | 003 | F01 | 1103 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 131. |  |  |  |  |
|  | 004 | J02 | 1854 | 5. | 5. | 5. | 5. | 5. | 26. | 52. | 236. | 1048. | 16. | 58.48 | 7.02 | 2.33 |
|  | 005 | J02 | 2166 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 26. | 1441. | 7. | 32.98 | 5.41 | 1.37 |
| 208 Maury Co | 002 | J02 | 1992 | 3. | 3. | 3. | 3. | 13. | 29. | 61. | 324. | 1058. | 19. | 64.37 | 6.82 | 3.19 |
| 208 Mount Pleasant | 001 | J02 | 1625 | 3. | 3. | 3. | 3. | 3. | 3. | 24. | 176. | 1302. |  |  |  |  |
|  | 002 | J02 | 1631 | 3. | 3. | 10. | 22. | 40. | 81. | 130. | 294. | 875. |  |  |  |  |
|  | 003 | J02 | 1631 | 3. | 3. | 3. | 15. | 31. | 55. | 78. | 206. | 361. |  |  |  |  |
| 208 Nashville | 011 | G01 | 1793 | 3. | 26. | 26. | 26. | 26. | 26. | 26. | 79. | 262. | 26. | 12.90 | 22.16 | 2.00 |
| **VIRGINIA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 047 Alexandria | 007 | H01 | 1706 | 3. | 3. | 13. | 26. | 26. | 52. | 65. | 118. | 301. | 24. | 24.29 | 15.74 | 2.81 |
|  | 009 | H01 | 2117 | 13. | 26. | 39. | 52. | 65. | 79. | 105. | 131. | 210. | 53. | 25.66 | 47.08 | 1.66 |
| 047 Arlington Co | 008 | F02 | 1690 | 3. | 13. | 21. | 26. | 39. | 79. | 105. | 157. | 223. | 38. | 32.05 | 26.41 | 2.51 |
| 047 Fairfax | 005 | G01 | 2134 | 3. | 7. | 13. | 20. | 26. | 39. | 46. | 72. | 117. | 22. | 14.27 | 17.10 | 2.12 |
| 047 Fairfax Co | 014 | G01 | 2126 | 3. | 3. | 7. | 20. | 26. | 39. | 52. | 78. | 247. | 20. | 17.42 | 14.00 | 2.56 |
| 047 Mc Lean | 001 | G01 | 2090 | 3. | 13. | 26. | 33. | 46. | 59. | 72. | 91. | 150. | 35. | 19.73 | 28.53 | 2.04 |
| 207 Bristol | 003 | F01 | 2098 | 3. | 3. | 13. | 26. | 45. | 79. | 105. | 157. | 183. | 37. | 33.05 | 22.31 | 3.15 |
| 207 Marion | 004 | F01 | 2128 | 3. | 3. | 3. | 13. | 18. | 31. | 39. | 52. | 92. | 16. | 13.38 | 10.05 | 2.73 |
| 223 Chesapeake | 001 | F02 | 1860 | 3. | 3. | 13. | 26. | 39. | 79. | 105. | 170. | 341. | 36. | 36.40 | 21.62 | 3.06 |
| 223 Hampton | 004 | F02 | 2126 | 3. | 3. | 13. | 26. | 39. | 68. | 92. | 183. | 576. | 32. | 37.37 | 18.57 | 3.14 |
| 223 Norfolk | 010 | F01 | 2175 | 3. | 3. | 5. | 13. | 26. | 52. | 79. | 141. | 414. | 24. | 28.40 | 13.38 | 3.13 |
| 225 Hopewell | 004 | F02 | 2147 | 3. | 26. | 39. | 52. | 79. | 118. | 157. | 236. | 537. | 68. | 44.65 | 56.13 | 1.87 |
| 225 Richmond | 011 | H01 | 1629 | 3. | 3. | 3. | 13. | 26. | 45. | 65. | 118. | 162. |  |  |  |  |
| 226 Salem | 001 | G01 | 2139 | 3. | 3. | 13. | 26. | 26. | 65. | 79. | 131. | 236. | 28. | 26.54 | 18.11 | 2.82 |
| **WASHINGTON** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 062 Spokane | 013 | F01 | 1316 | 3. | 3. | 26. | 26. | 26. | 52. | 79. | 131. | 288. |  |  |  |  |
| 193 Camas | 003 | F02 | 1682 | 3. | 3. | 3. | 26. | 26. | 52. | 52. | 79. | 157. | 19. | 18.73 | 9.56 | 3.54 |
| 229 Pierce Co | 002 | F01 | 2045 | 3. | 3. | 26. | 26. | 26. | 26. | 52. | 105. | 288. | 23. | 20.03 | 14.89 | 3.07 |
| **WEST VIRGINIA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 179 Vienna | 002 | F01 | 1178 | 10. | 13. | 35. | 50. | 65. | 125. | 170. | 300. | 523. |  |  |  |  |
| 181 Weirton | 003 | F02 | 1234 | 13. | 26. | 59. | 98. | 157. | 262. | 327. | 458. | 563. |  |  |  |  |
| 181 Wheeling | 006 | H01 | 1252 | 13. | 13. | 13. | 26. | 52. | 92. | 131. | 262. | 655. |  |  |  |  |
| 234 Charleston | 004 | F01 | 1169 | 7. | 15. | 25. | 42. | 56. | 84. | 95. | 170. | 271. |  |  |  |  |
| **WISCONSIN** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 238 Marathon Co | 009 | J02 | 2184 | 3. | 3. | 3. | 5. | 6. | 125. | 147. | 183. | 2451. | 32. | 74.46 | 8.60 | 4.62 |
| 240 Columbia Co | 003 | J02 | 2138 | 5. | 5. | 5. | 5. | 10. | 26. | 38. | 71. | 133. | 11. | 12.89 | 7.79 | 2.06 |
|  | 004 | J02 | 2028 | 5. | 5. | 5. | 5. | 5. | 21. | 39. | 85. | 389. | 11. | 21.68 | 6.82 | 2.05 |
|  | 005 | J02 | 2123 | 5. | 5. | 5. | 5. | 5. | 26. | 29. | 64. | 144. | 10. | 12.11 | 6.83 | 1.96 |
|  | 008 | J02 | 2152 | 5. | 5. | 5. | 5. | 14. | 27. | 35. | 67. | 171. | 12. | 14.28 | 8.66 | 2.14 |
|  | 009 | J02 | 2143 | 5. | 5. | 5. | 5. | 5. | 26. | 35. | 61. | 145. | 11. | 12.77 | 7.50 | 2.07 |
|  | 010 | J02 | 2047 | 5. | 5. | 5. | 5. | 5. | 18. | 28. | 58. | 172. | 9. | 11.08 | 6.83 | 1.91 |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL FLAME PHOTOMETRIC, 1 hour

1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **CONNECTICUT** | | | | | | | | | | | | | | | | |
| 041 Groton | 123 | F01 | 1495 | 3. | 3. | 3. | 5. | 16. | 31. | 37. | 89. | 178. | | | | |
| 042 Derby | 123 | F01 | 1610 | 3. | 3. | 5. | 5. | 10. | 26. | 37. | 63. | 144. | | | | |
| 042 Enfield | 123 | F01 | 373 | 3. | 3. | 5. | 16. | 37. | 58. | 63. | 71. | 73. | | | | |
| 042 Hartford | 123 | F01 | 1254 | 3. | 3. | 5. | 13. | 21. | 31. | 37. | 55. | 100. | | | | |
| 042 New Britain | 123 | F01 | 1834 | 3. | 3. | 3. | 3. | 16. | 26. | 37. | 52. | 79. | 11. | 12.57 | 6.16 | 2.88 |
| 042 New Haven | 123 | F01 | 1687 | 3. | 3. | 3. | 5. | 10. | 29. | 47. | 105. | 257. | 12. | 19.18 | 6.35 | 2.88 |
| 042 Waterbury | 123 | F01 | 1902 | 3. | 3. | 5. | 16. | 24. | 31. | 39. | 58. | 183. | 16. | 14.47 | 10.58 | 2.76 |
| 043 Bridgeport | 123 | F01 | 1895 | 3. | 3. | 5. | 16. | 37. | 71. | 86. | 126. | 377. | 29. | 32.12 | 14.44 | 3.52 |
| 043 Danbury | 123 | F01 | 1619 | 3. | 3. | 3. | 5. | 16. | 31. | 37. | 63. | 168. | | | | |
| 043 Greenwich | 004 | F01 | 1203 | 5. | 13. | 26. | 26. | 26. | 26. | 26. | 79. | 183. | | | | |
| 043 Stamford | 123 | F01 | 1991 | 3. | 3. | 3. | 18. | 34. | 68. | 94. | 139. | 199. | 27. | 30.31 | 13.64 | 3.60 |
| **DISTRICT OF COLUMBIA** | | | | | | | | | | | | | | | | |
| 047 Washington | 008 | I02 | 593 | 13. | 13. | 13. | 13. | 39. | 65. | 65. | 262. | 327. | | | | |
| **FLORIDA** | | | | | | | | | | | | | | | | |
| 005 Jackson Co | 001 | J02 | 2102 | 3. | 3. | 3. | 3. | 3. | 3. | 5. | 81. | 341. | 5. | 18.09 | 2.98 | 1.83 |
| | 002 | J02 | 1906 | 3. | 3. | 3. | 3. | 3. | 5. | 26. | 123. | 472. | 8. | 24.86 | 3.38 | 2.23 |
| 005 Lynn Haven | 002 | J02 | 1263 | 3. | 3. | 3. | 3. | 5. | 31. | 42. | 79. | 299. | | | | |
| | 003 | J02 | 1371 | 3. | 3. | 3. | 3. | 3. | 3. | 5. | 45. | 283. | | | | |
| | 004 | J02 | 1388 | 3. | 3. | 3. | 3. | 3. | 26. | 29. | 63. | 249. | | | | |
| | 005 | J02 | 1362 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 63. | 168. | | | | |
| 005 Pensacola | 004 | F01 | 1590 | 3. | 3. | 3. | 3. | 3. | 26. | 52. | 288. | 2882. | | | | |
| | 007 | J02 | 1993 | 3. | 3. | 3. | 3. | 16. | 34. | 63. | 183. | 524. | 17. | 36.91 | 6.56 | 3.49 |
| | 008 | J02 | 1945 | 3. | 3. | 3. | 3. | 3. | 5. | 16. | 21. | 34. | 4. | 4.31 | 3.18 | 1.73 |
| | 009 | J02 | 2012 | 3. | 3. | 3. | 3. | 3. | 26. | 37. | 126. | 592. | 11. | 30.66 | 4.43 | 2.76 |
| | 010 | J02 | 1706 | 3. | 3. | 3. | 3. | 3. | 29. | 86. | 272. | 833. | 16. | 55.74 | 4.36 | 3.18 |
| | 011 | J02 | 2026 | 3. | 3. | 3. | 3. | 13. | 31. | 47. | 225. | 786. | 16. | 44.87 | 5.92 | 3.20 |
| | 012 | J02 | 2005 | 3. | 3. | 3. | 3. | 3. | 10. | 29. | 100. | 490. | 7. | 23.36 | 3.51 | 2.23 |
| 048 Winter Park | 002 | F01 | 1690 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 52. | 288. | 8. | 12.41 | 4.19 | 2.57 |
| 049 Chattahoochee | 001 | J02 | 1407 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 45. | | | | |
| | 002 | J02 | 2143 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 393. | 3. | 12.83 | 2.65 | 1.22 |
| **GEORGIA** | | | | | | | | | | | | | | | | |
| 054 Milledgeville | 001 | F01 | 2091 | 13. | 13. | 13. | 13. | 13. | 23. | 36. | 158. | 287. | 18. | 23.47 | 14.81 | 1.57 |
| 056 Atlanta | 034 | F01 | 2146 | 13. | 13. | 13. | 13. | 13. | 39. | 56. | 129. | 286. | 21. | 23.70 | 16.61 | 1.71 |
| **INDIANA** | | | | | | | | | | | | | | | | |
| 082 Richmond | 006 | J02 | 568 | 3. | 3. | 3. | 3. | 3. | 35. | 130. | 413. | 598. | | | | |
| | 007 | J02 | 686 | 3. | 3. | 3. | 3. | 3. | 3. | 16. | 169. | 702. | | | | |
| **MARYLAND** | | | | | | | | | | | | | | | | |
| 047 Bethesda | 005 | F01 | 1280 | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 79. | 210. | | | | |
| 047 Cheverly | 004 | F01 | 1823 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 52. | 183. | 10. | 15.63 | 4.68 | 2.86 |
| 047 Silver Spring | 006 | F01 | 1545 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 52. | 105. | | | | |
| 047 Suitland-Silver Hill | 001 | F01 | 1696 | 3. | 3. | 3. | 3. | 3. | 26. | 52. | 79. | 157. | 13. | 18.53 | 5.57 | 3.25 |
| 113 Cumberland | 006 | F01 | 1347 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 52. | 105. | | | | |
| 113 Hagerstown | 004 | F01 | 1482 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 52. | 183. | | | | |
| 115 Baltimore | 004 | H01 | 1875 | 3. | 3. | 3. | 3. | 3. | 26. | 52. | 131. | 236. | 12. | 22.99 | 5.06 | 3.16 |
| | 011 | H01 | 1494 | 3. | 3. | 3. | 3. | 3. | 52. | 105. | 262. | 943. | | | | |
| | 018 | F01 | 1560 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 79. | 183. | | | | |
| | 019 | F01 | 1690 | 3. | 3. | 3. | 3. | 3. | 52. | 52. | 157. | 288. | 15. | 27.02 | 5.68 | 3.47 |
| 115 Baltimore Co | 003 | G01 | 1551 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 52. | 157. | | | | |
| 115 Essex | 001 | G01 | 1605 | 3. | 26. | 26. | 26. | 26. | 52. | 79. | 131. | 707. | | | | |
| 115 Towson | 002 | G01 | 1526 | 3. | 3. | 3. | 3. | 26. | 52. | 52. | 105. | 262. | | | | |
| **MISSOURI** | | | | | | | | | | | | | | | | |
| 070 Afton | 001 | G01 | 161 | 21. | 26. | 31. | 39. | 45. | 60. | 84. | 107. | 204. | | | | |
| 070 Bellefontaine Neighbors | 002 | G01 | 139 | 21. | 24. | 26. | 29. | 34. | 39. | 45. | 76. | 194. | | | | |
| 070 Clayton | 001 | G01 | 94 | 3. | 3. | 21. | 31. | 37. | 68. | 102. | 128. | 128. | | | | |
| 070 St Ann | 001 | G01 | 165 | 5. | 8. | 13. | 18. | 24. | 39. | 47. | 68. | 173. | | | | |

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## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL FLAME PHOTOMETRIC, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **MISSOURI — Cont.** | | | | | | | | | | | | | | | | |
| 070 St Louis Co | 006 | G01 | 162 | 8. | 16. | 21. | 29. | 47. | 68. | 100. | 157. | 157. | | | | |
| **OHIO** | | | | | | | | | | | | | | | | |
| 182 Chillicothe | 006 | J05 | 11 | 3. | 3. | 3. | 3. | 3. | 60. | 86. | 86. | 86. | | | | |
| **OKLAHOMA** | | | | | | | | | | | | | | | | |
| 184 Oklahoma City | 033 | F01 | 2102 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 63. | 3. | 2.61 | 2.52 | 1.16 |
| **OREGON** | | | | | | | | | | | | | | | | |
| 193 Portland | 002 | F01 | 2143 | 3. | 3. | 3. | 3. | 3. | 26. | 52. | 79. | 105. | 11. | 16.84 | 4.91 | 3.16 |
| **PENNSYLVANIA** | | | | | | | | | | | | | | | | |
| 045 Philadelphia | 004 | H01 | 631 | 3. | 3. | 3. | 3. | 26. | 79. | 131. | 210. | 262. | | | | |
| **TENNESSEE** | | | | | | | | | | | | | | | | |
| 007 Cookeville | 003 | F01 | 1426 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 13. | 26. | | | | |
| 207 Kingsport | 001 | F01 | 1333 | 3. | 13. | 13 | 13. | 13. | 13. | 13. | 134. | 524. | | | | |
| | 006 | J02 | 633 | 3. | 3. | 3. | 3. | 8. | 107. | 173. | 313. | 390. | | | | |
| | 007 | J02 | 656 | 3. | 3. | 3. | 5. | 20. | 95. | 152. | 250. | 424. | | | | |
| | 009 | J02 | 640 | 3. | 3. | 3. | 3. | 3. | 29. | 55. | 143. | 276. | | | | |
| | 012 | J02 | 2061 | 3. | 3. | 3. | 3. | 10. | 47. | 79. | 183. | 629. | 17. | 37.89 | 6.21 | 3.50 |
| 207 Kingston | 002 | F01 | 806 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 183. | 537. | | | | |
| 207 Oak Ridge | 004 | N02 | 2022 | 8. | 8. | 13. | 18. | 29. | 45. | 60. | 131. | 550. | 26. | 29.00 | 20.42 | 1.88 |
| | 005 | N02 | 1496 | 8. | 8. | 16. | 21. | 26. | 52. | 92. | 223. | 511. | | | | |
| **TEXAS** | | | | | | | | | | | | | | | | |
| 022 Gregg Co | 001 | F03 | 1413 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 106 Nederland | 003 | F01 | 1825 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 26. | 314. | 4. | 16.96 | 2.76 | 1.52 |
| 106 West Orange | 001 | F01 | 1431 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 52. | 79. | | | | |
| 153 El Paso | 027 | F01 | 1364 | 3. | 3. | 3. | 3. | 3. | 105. | 210. | 472. | 865. | | | | |
| | 028 | F01 | 1909 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 210. | 576. | 9. | 40.32 | 3.14 | 2.25 |
| 212 Austin | 012 | F01 | 1223 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 26. | | | | |
| 214 Corpus Christi | 019 | F01 | 1436 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 79. | | | | |
| 215 Dallas | 045 | F01 | 1220 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 215 Fort Worth | 002 | F01 | 1875 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 26. | 183. | 3. | 9.09 | 2.71 | 1.38 |
| 216 Clute City | 003 | F01 | 1787 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 26. | 3. | .56 | 2.62 | 1.06 |
| 216 Harris Co | 024 | F01 | 1910 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 216 Houston | 034 | F01 | 1366 | 3. | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 105. | | | | |
| 216 Texas City | 002 | F01 | 580 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 26. | | | | |
| 217 San Antonio | 036 | F01 | 1531 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 26. | 26. | | | | |
| 218 Odessa | 002 | F01 | 1778 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 26. | 79. | 3. | 3.24 | 2.69 | 1.30 |
| **WISCONSIN** | | | | | | | | | | | | | | | | |
| 239 Milwaukee | 040 | F01 | 1848 | 3. | 26. | 31. | 36. | 47. | 78. | 109. | 217. | 659. | 48. | 42.20 | 39.92 | 1.71 |
| | 041 | F01 | 1512 | 5. | 28. | 34. | 36. | 44. | 70. | 104. | 151. | 465. | | | | |
| | 042 | F01 | 1910 | 3. | 18. | 26. | 34. | 44. | 86. | 146. | 366. | 892. | 51. | 69.25 | 36.76 | 2.02 |
| | 044 | F01 | 1582 | 15. | 28. | 31. | 36. | 47. | 81. | 133. | 329. | 850. | | | | |
| | 045 | F01 | 1638 | 10. | 20. | 23. | 31. | 47. | 86. | 130. | 387. | 1502. | 54. | 92.46 | 37.69 | 1.95 |
| | 080 | F01 | 1799 | 3. | 26. | 34. | 41. | 52. | 70. | 89. | 167. | 353. | 47. | 26.99 | 42.00 | 1.59 |
| 239 Racine | 011 | F01 | 1985 | 3. | 26. | 31. | 36. | 41. | 49. | 57. | 102. | 269. | 38. | 16.13 | 36.16 | 1.39 |
| 240 Madison | 998 | F05 | 304 | 26. | 26. | 26. | 26. | 39. | 206. | 363. | 827. | 1081. | | | | |
| **WYOMING** | | | | | | | | | | | | | | | | |
| 241 Converse Co | 006 | F03 | 2137 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 26. | 3. | .51 | 2.62 | 1.05 |
| 243 Sweetwater Co | 016 | F03 | 2141 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 79. | 3. | 3.40 | 2.65 | 1.19 |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL PULSED FLUORESCENT, 1 hour

**1977 Second Quarter**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **CONNECTICUT** | | | | | | | | | | | | | | | | |
| 042 Middletown | 003 | F01 | 1895 | 3. | 5. | 13. | 21. | 29. | 45. | 52. | 76. | 144. | 23. | 16.64 | 17.32 | 2.32 |
| **FLORIDA** | | | | | | | | | | | | | | | | |
| 049 Gainesville | 014 | G05 | 1855 | 3. | 3. | 3. | 3. | 5. | 13. | 13. | 45. | 118. | 6. | 8.29 | 4.12 | 1.90 |
| 049 Jacksonville | 057 | H01 | 1607 | 3. | 3. | 3. | 3. | 3. | 13. | 26. | 79. | 170. | | | | |
| | 060 | H01 | 2079 | 3. | 3. | 3. | 3. | 13. | 52. | 92. | 170. | 275. | 18. | 32.97 | 6.62 | 3.52 |
| | 062 | H02 | 2118 | 3. | 3. | 3. | 3. | 13. | 26. | 52. | 118. | 275. | 14. | 23.89 | 6.35 | 3.05 |
| | 063 | H02 | 1414 | 3. | 3. | 3. | 3. | 13. | 39. | 65. | 144. | 275. | | | | |
| | 068 | H02 | 2099 | 3. | 3. | 3. | 3. | 13. | 39. | 79. | 170. | 301. | 17. | 32.95 | 7.09 | 3.37 |
| | 069 | H02 | 2112 | 3. | 3. | 3. | 13. | 13. | 65. | 92. | 210. | 786. | 25. | 48.18 | 10.17 | 3.60 |
| 050 Miami | 002 | G01 | 2002 | 3. | 3. | 3. | 3. | 13. | 13. | 13. | 26. | 52. | 7. | 5.83 | 4.66 | 2.21 |
| 052 Hillsborough Co | 081 | G05 | 1061 | 3. | 3. | 3. | 3. | 5. | 21. | 31. | 118. | 223. | | | | |
| 052 Tampa | 035 | G02 | 688 | 3. | 3. | 3. | 3. | 26. | 52. | 79. | 131. | 734. | | | | |
| | 039 | G05 | 1855 | 3. | 3. | 3. | 3. | 5. | 13. | 26. | 71. | 196. | 7. | 15.38 | 4.28 | 2.21 |
| | 040 | G05 | 1834 | 3. | 3. | 3. | 8. | 13. | 39. | 52. | 131. | 414. | 16. | 27.53 | 8.08 | 3.10 |
| | 041 | G05 | 2126 | 3. | 3. | 3. | 5. | 13. | 31. | 52. | 144. | 432. | 15. | 30.51 | 7.12 | 2.93 |
| **ILLINOIS** | | | | | | | | | | | | | | | | |
| 065 Peoria | 029 | F01 | 1421 | 3. | 5. | 24. | 39. | 68. | 128. | 165. | 296. | 715. | | | | |
| 067 Chicago | 040 | F01 | 1905 | 3. | 8. | 29. | 50. | 81. | 149. | 191. | 304. | 645. | 69. | 66.97 | 41.93 | 3.10 |
| 069 Rock Island | 002 | F01 | 1968 | 3. | 3. | 5. | 16. | 29. | 55. | 73. | 123. | 196. | 23. | 25.55 | 13.13 | 3.11 |
| 075 Decatur | 006 | F01 | 254 | 3. | 3. | 5. | 5. | 5. | 8. | 13. | 42. | 105. | | | | |
| 075 Quincy | 002 | F01 | 2046 | 3. | 3. | 5. | 13. | 24. | 45. | 65. | 178. | 414. | 22. | 33.36 | 12.00 | 2.97 |
| 075 Springfield | 004 | F02 | 1758 | 3. | 3. | 3. | 10. | 18. | 86. | 191. | 364. | 673. | 33. | 73.35 | 9.82 | 4.06 |
| **MAINE** | | | | | | | | | | | | | | | | |
| 109 Millinocket | 002 | F02 | 1014 | 3. | 3. | 3. | 3. | 13. | 78. | 260. | 624. | 1196. | | | | |
| **MARYLAND** | | | | | | | | | | | | | | | | |
| 113 Garrett Co | 005 | J02 | 891 | 3. | 3. | 26. | 52. | 79. | 105. | 183. | 262. | 1022. | | | | |
| 113 Westernport | 004 | J02 | 467 | 3. | 3. | 26. | 52. | 52. | 79. | 105. | 157. | 236. | | | | |
| | 005 | J02 | 1161 | 3. | 3. | 3. | 26. | 52. | 105. | 157. | 314. | 943. | | | | |
| 115 Riviera Beach | 002 | G01 | 611 | 3. | 3. | 3. | 3. | 26. | 26. | 52. | 79. | 157. | | | | |
| **MISSOURI** | | | | | | | | | | | | | | | | |
| 137 Macon Co | 001 | F05 | 624 | 3. | 3. | 3. | 3. | 3. | 52. | 79. | 131. | 445. | | | | |
| **NEW HAMPSHIRE** | | | | | | | | | | | | | | | | |
| 107 Berlin | 001 | J02 | 1523 | 3. | 3. | 3. | 8. | 21. | 65. | 131. | 341. | 760. | | | | |
| | 013 | J02 | 532 | 3. | 3. | 3. | 8. | 13. | 39. | 92. | 327. | 419. | | | | |
| **RHODE ISLAND** | | | | | | | | | | | | | | | | |
| 120 Providence | 007 | F01 | 1726 | 3. | 6. | 16. | 31. | 58. | 100. | 126. | 220. | 361. | 48. | 45.33 | 29.87 | 2.95 |
| **TENNESSEE** | | | | | | | | | | | | | | | | |
| 208 Maury Co | 013 | J02 | 1838 | 3. | 5. | 10. | 16. | 26. | 39. | 52. | 105. | 288. | 21. | 19.71 | 16.00 | 2.13 |
| | 014 | J02 | 2100 | 3. | 5. | 13. | 18. | 26. | 52. | 65. | 131. | 367. | 25. | 26.87 | 17.44 | 2.24 |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL SEC DERIV SPECTROSCOPY, 1 hour

**1977 Second Quarter**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **KENTUCKY** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 077 Henderson | 008 | F01 | 1996 | 3. | 10. | 16. | 21. | 31. | 52. | 68. | 144. | 288. | 29. | 25.92 | 21.86 | 2.12 |
| 077 Ohio Co | 027 | F02 | 165 | 3. | 3. | 3. | 26. | 52. | 105. | 170. | 511. | 563. |  |  |  |  |
| 077 Owensboro | 008 | F01 | 1709 | 3. | 3. | 3. | 8. | 26. | 63. | 89. | 220. | 629. | 25. | 42.94 | 9.73 | 3.98 |
| **WISCONSIN** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 238 Marathon Co | 006 | J02 | 2184 | 3. | 3. | 3. | 3. | 5. | 5. | 73. | 686. | 2793. | 26. | 135.41 | 4.09 | 3.03 |

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## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## DAVIS INST SEQUENTIAL-CONDUCTIMETRIC, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **WASHINGTON** | | | | | | | | | | | | | | | | |
| 229 Everett | 003 | 101 | 2112 | 13. | 13. | 13. | 13. | 13. | 52. | 79. | 183. | 838. | 25. | 42.02 | 17.51 | 1.88 |
| 229 Kent | 001 | 101 | 1450 | 13. | 13. | 13. | 13. | 13. | 52. | 79. | 183. | 288. | | | | |
| 229 Seattle | 057 | 102 | 1950 | 13. | 13. | 13. | 26. | 26. | 79. | 131. | 236. | 969. | 37. | 49.53 | 24.84 | 2.18 |
| 229 Tacoma | 003 | 101 | 2103 | 13. | 13. | 13. | 13. | 13. | 52. | 105. | 314. | 969. | 30. | 65.82 | 18.35 | 2.04 |
| | 005 | 101 | 2090 | 13. | 13. | 13. | 13. | 26. | 52. | 79. | 183. | 1127. | 26. | 48.92 | 18.70 | 1.86 |

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## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Std. dev. | Geometric Mean | Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **OKLAHOMA** | | | | | | | | | | | | | | | | |
| 186 Tulsa | 135 | F02 | 2173 | 3. | 3. | 3. | 6. | 10. | 26. | 39. | 144. | 400. | 13. | 28.29 | 6.68 | 2.75 |
| 186 Tulsa Co | 136 | F01 | 2036 | 3. | 3. | 3. | 3. | 3. | 10. | 20. | 39. | 46. | 5. | 6.98 | 3.36 | 1.98 |

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## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **ALABAMA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 001 Choctaw Co | 001 | F01 | 4 | 3. | 3. | 5. | 5. | 8. | 16. | 16. | 16. | 16. |  |  |  |  |
| 003 Childersburg | 001 | F01 | 6 | 3. | 3. | 3. | 5. | 5. | 5. | 5. | 5. | 5. | 4. | 1.35 | 4.16 | 1.43 |
| 004 Birmingham | 005 | G02 | 29 | 3. | 5. | 10. | 21. | 31. | 52. | 55. | 71. | 71. | 23. | 17.25 | 16.65 | 2.49 |
|  | 012 | G01 | 55 | 3. | 3. | 5. | 10. | 24. | 37. | 52. | 92. | 92. | 17. | 17.06 | 10.41 | 2.72 |
| 004 Fairfield | 003 | G02 | 31 | 3. | 3. | 8. | 16. | 21. | 31. | 42. | 42. | 42. | 16. | 12.01 | 11.49 | 2.48 |
| 004 Tuscaloosa | 003 | F01 | 1 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. |  |  |  |  |
| 006 Dothan | 002 | F01 | 9 | 3. | 3. | 5. | 5. | 5. | 10. | 10. | 10. | 10. | 6. | 2.05 | 5.24 | 1.41 |
| 006 Enterprise | 002 | J02 | 14 | 3. | 3. | 3. | 3. | 3. | 30. | 38. | 38. | 38. | 11. | 13.57 | 5.12 | 3.25 |
| 007 Athens | 003 | G01 | 15 | 3. | 3. | 3. | 3. | 3. | 5. | 10. | 10. | 10. | 3. | 2.14 | 3.15 | 1.51 |
| 007 Decatur | 001 | G01 | 13 | 3. | 3. | 3. | 3. | 3. | 10. | 10. | 10. | 10. | 4. | 2.95 | 3.42 | 1.70 |
|  | 005 | G01 | 15 | 3. | 3. | 3. | 5. | 13. | 50. | 50. | 50. | 50. | 13. | 15.96 | 6.98 | 2.99 |
| 007 Florence | 003 | F01 | 5 | 5. | 5. | 5. | 5. | 10. | 10. | 10. | 10. | 10. | 7. | 2.87 | 6.91 | 1.46 |
| 007 Hartselle | 001 | G01 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 007 Huntsville | 014 | H01 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 3. | .70 | 2.75 | 1.20 |
| 007 Jackson Co | 023 | F02 | 1 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |  |  |  |  |
| 007 Limestone Co | 001 | G02 | 14 | 3. | 3. | 3. | 3. | 3. | 5. | 16. | 16. | 16. | 4. | 3.52 | 3.45 | 1.69 |
| 007 Morgan Co | 001 | G01 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 3. | .68 | 2.74 | 1.20 |
| 007 Muscle Shoals | 001 | F01 | 2 | 3. | 3. | 3. | 3. | 24. | 24. | 24. | 24. | 24. |  |  |  |  |
| **ALASKA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 008 Anchorage | 015 | I01 | 10 | 3. | 3. | 3. | 3. | 3. | 3. | 16. | 16. | 16. | 4. | 4.24 | 3.01 | 1.80 |
| 009 Fairbanks | 001 | P01 | 13 | 3. | 3. | 7. | 8. | 13. | 13. | 14. | 14. | 14. | 9. | 3.84 | 7.61 | 1.76 |
| **ARKANSAS** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 016 England | 001 | F05 | 13 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 016 Jefferson Co | 001 | F05 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
|  | 002 | F05 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
|  | 003 | F05 | 6 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 016 Little Rock | 001 | F01 | 8 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
|  | 003 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 016 Pine Bluff | 005 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 017 Fort Smith | 008 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 018 Earle | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 018 West Memphis | 001 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 16. | 20. | 20. | 20. | 6. | 6.13 | 4.16 | 2.32 |
|  | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 019 El Dorado | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 24. | 26. | 26. | 26. | 7. | 8.43 | 4.14 | 2.52 |
| 020 Blytheville | 001 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 021 Harrison | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 022 Texarkana | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| **FLORIDA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 005 Panama City | 003 | F01 | 13 | 3. | 3. | 3. | 5. | 16. | 18. | 21. | 21. | 21. | 9. | 7.21 | 6.08 | 2.44 |
| 005 Pensacola | 002 | F01 | 10 | 3. | 3. | 3. | 3. | 8. | 18. | 18. | 18. | 18. | 8. | 7.18 | 5.85 | 2.46 |
| 005 Santa Rosa Co | 002 | J02 | 16 | 3. | 3. | 3. | 3. | 3. | 34. | 37. | 37. | 37. | 9. | 12.62 | 4.36 | 2.87 |
|  | 003 | J02 | 16 | 3. | 3. | 3. | 3. | 8. | 32. | 32. | 32. | 32. | 9. | 11.50 | 4.84 | 2.89 |
|  | 004 | J02 | 16 | 3. | 3. | 3. | 8. | 12. | 30. | 34. | 34. | 34. | 11. | 10.89 | 7.37 | 2.70 |
|  | 005 | J02 | 16 | 3. | 3. | 3. | 8. | 14. | 32. | 33. | 33. | 33. | 11. | 10.16 | 7.32 | 2.64 |
|  | 006 | J02 | 16 | 3. | 3. | 3. | 3. | 10. | 38. | 45. | 45. | 45. | 12. | 14.75 | 6.09 | 3.17 |
|  | 007 | J02 | 16 | 3. | 3. | 3. | 3. | 21. | 34. | 36. | 36. | 36. | 12. | 12.64 | 6.47 | 3.19 |
|  | 008 | J02 | 16 | 3. | 3. | 3. | 3. | 28. | 36. | 47. | 47. | 47. | 13. | 15.68 | 6.34 | 3.52 |
|  | 009 | J02 | 16 | 3. | 3. | 3. | 15. | 28. | 49. | 55. | 55. | 55. | 19. | 17.39 | 10.70 | 3.40 |
|  | 012 | J02 | 16 | 3. | 3. | 3. | 3. | 23. | 27. | 30. | 30. | 30. | 10. | 11.61 | 5.23 | 3.10 |
|  | 013 | J02 | 16 | 3. | 3. | 3. | 3. | 6. | 29. | 35. | 35. | 35. | 9. | 11.39 | 4.77 | 2.88 |
| 048 Brevard Co | 004 | F02 | 16 | 3. | 3. | 3. | 3. | 3. | 6. | 14. | 14. | 14. | 4. | 2.96 | 3.07 | 1.63 |
|  | 005 | J02 | 27 | 3. | 3. | 3. | 3. | 3. | 19. | 25. | 27. | 27. | 5. | 6.93 | 3.58 | 2.12 |
|  | 006 | J02 | 28 | 3. | 3. | 3. | 3. | 3. | 18. | 29. | 62. | 62. | 7. | 12.41 | 3.67 | 2.41 |
| 048 Orlando | 004 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 7. | 7. | 7. | 3. | 1.12 | 2.67 | 1.29 |
| 048 Sanford | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 6. | 23. | 33. | 33. | 33. | 7. | 9.20 | 4.44 | 2.56 |
| 048 Seminole Co | 001 | J02 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 048 Volusia Co | 001 | J02 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 049 Alachua Co | 009 | G01 | 1 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |  |  |  |  |
| 049 Gainesville | 005 | G01 | 3 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |  |  |  |  |
|  | 008 | G01 | 7 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
|  | 010 | G02 | 3 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |  |  |  |  |
|  | 013 | G01 | 4 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |  |  |  |  |

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# SULFUR DIOXIDE, micrograms per cubic meter (25 C)
# GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

### 1977 Second Quarter

**FLORIDA — Cont.**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| | 015 | G03 | 7 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 049 Jacksonville | 004 | H02 | 9 | 3. | 3. | 16. | 19. | 28. | 39. | 39. | 39. | 39. | 21. | 11.31 | 17.07 | 2.27 |
| | 017 | H01 | 14 | 3. | 3. | 3. | 3. | 5. | 14. | 15. | 15. | 15. | 6. | 4.73 | 4.25 | 2.05 |
| | 031 | H01 | 15 | 3. | 3. | 3. | 3. | 3. | 8. | 17. | 17. | 17. | 4. | 3.91 | 3.07 | 1.75 |
| | 032 | H01 | 15 | 3. | 3. | 3. | 12. | 17. | 25. | 26. | 26. | 26. | 11. | 8.48 | 7.38 | 2.63 |
| | 033 | H01 | 14 | 3. | 3. | 3. | 3. | 6. | 13. | 15. | 15. | 15. | 5. | 4.24 | 3.98 | 1.98 |
| | 038 | H01 | 15 | 3. | 3. | 3. | 6. | 10. | 26. | 38. | 38. | 38. | 11. | 10.89 | 6.72 | 2.69 |
| | 039 | H01 | 15 | 3. | 3. | 3. | 3. | 3. | 15. | 36. | 36. | 36. | 7. | 9.16 | 4.04 | 2.42 |
| | 040 | H01 | 14 | 3. | 3. | 3. | 3. | 5. | 15. | 19. | 19. | 19. | 6. | 5.17 | 4.39 | 2.02 |
| | 042 | H03 | 15 | 3. | 3. | 3. | 3. | 3. | 10. | 15. | 15. | 15. | 4 | 3.71 | 3.51 | 1.84 |
| | 043 | H03 | 7 | 3. | 3. | 3. | 3. | 3. | 54. | 54. | 54. | 54. | 10. | 19.47 | 3.88 | 3.19 |
| | 045 | H02 | 16 | 3. | 3. | 5. | 8. | 12 | 24. | 30. | 30. | 30. | 10. | 7.87 | 7.61 | 2.24 |
| | 049 | H01 | 12 | 3. | 3. | 3. | 8. | 21. | 45. | 47. | 47. | 47. | 16. | 16.15 | 8.64 | 3.30 |
| | 058 | H01 | 14 | 3. | 3. | 3. | 3. | 3. | 14. | 14. | 14. | 14. | 6. | 5.18 | 4.05 | 2.20 |
| | 059 | H01 | 15 | 3. | 3. | 3. | 3. | 3. | 9. | 13. | 13 | 13. | 4. | 3.13 | 3.22 | 1.72 |
| | 060 | H01 | 15 | 3. | 3. | 3. | 3. | 3. | 14. | 52. | 52. | 52. | 7. | 12.82 | 4.04 | 2.50 |
| | 061 | H02 | 16 | 3. | 3. | 3. | 5. | 12. | 47. | 101. | 101. | 101. | 15. | 25.41 | 7.04 | 3.16 |
| | 062 | H02 | 16 | 3. | 3. | 5. | 9. | 13. | 16. | 17. | 17. | 17. | 9. | 5.26 | 7.38 | 2.08 |
| | 063 | H02 | 15 | 3. | 3. | 5. | 13. | 30. | 35. | 36. | 36. | 36. | 17. | 13.34 | 10.99 | 2.98 |
| | 064 | H02 | 9 | 3. | 3. | 3. | 10. | 17. | 21. | 21. | 21. | 21. | 11. | 7.50 | 7.64 | 2.50 |
| | 065 | H02 | 11 | 3. | 3. | 3. | 6. | 13. | 16. | 16. | 16. | 16. | 8. | 5.86 | 5.73 | 2.33 |
| | 066 | H02 | 15 | 3. | 3. | 3. | 8. | 20. | 24. | 45. | 45. | 45. | 12. | 12.41 | 7.15 | 2.98 |
| | 067 | H02 | 15 | 3. | 3. | 3. | 10. | 12. | 25. | 227. | 227. | 227. | 24. | 56.55 | 8.95 | 3.43 |
| | 068 | H02 | 14 | 3. | 3. | 3. | 5. | 9. | 37. | 40. | 40. | 40. | 11. | 12.67 | 6.32 | 2.76 |
| 049 Putnam Co | 003 | J02 | 31 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| | 004 | J02 | 29 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 050 Dade Co | 002 | G01 | 14 | 3. | 3. | 3. | 3. | 3. | 9. | 23. | 23. | 23. | 4. | 5.62 | 3.21 | 1.94 |
| | 013 | G01 | 14 | 3. | 3. | 3. | 3. | 3. | 9. | 15. | 15. | 15. | 4. | 3.64 | 3.11 | 1.76 |
| 050 Davie | 002 | G03 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 050 Fort Lauderdale | 003 | G03 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| | 004 | G03 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 050 Fort Pierce | 002 | F03 | 16 | 3. | 3. | 3. | 10. | 11. | 13. | 18. | 18. | 18. | 8. | 5.01 | 6.28 | 2.16 |
| | 006 | J03 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 3. | .75 | 2.63 | 1.22 |
| | 007 | J03 | 16 | 3. | 3. | 3. | 3. | 3. | 8. | 14. | 14. | 14. | 4. | 3.07 | 3.00 | 1.66 |
| | 008 | J03 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 050 Homestead | 001 | G01 | 13 | 3. | 3. | 3. | 3. | 3. | 6. | 6. | 6. | 6. | 3. | 1.31 | 2.86 | 1.39 |
| 050 Lauderdale Lakes | 001 | G03 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 050 Miami | 002 | G01 | 13 | 3. | 3. | 3. | 3. | 3. | 7. | 23. | 23. | 23. | 4. | 5.72 | 3.21 | 1.93 |
| | 007 | G01 | 2 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 050 Miami Beach | 007 | G01 | 6 | 3. | 3. | 3. | 3. | 3. | 12. | 12. | 12. | 12. | 4. | 3.88 | 3.25 | 1.90 |
| 050 North Miami Beach | 001 | G01 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 8. | 8. | 8. | 3. | 1.42 | 2.70 | 1.35 |
| 050 Pembroke Pines | 001 | G03 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 050 Perrine | 002 | G01 | 12 | 3. | 3. | 3. | 3. | 3. | 9. | 34. | 34. | 34. | 6. | 9.12 | 3.46 | 2.24 |
| 051 Clewiston | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 6. | 7. | 7. | 7. | 3. | 1.38 | 2.82 | 1.39 |
| 051 Fort Myers | 002 | F01 | 14 | 3. | 3. | 5. | 6. | 7. | 8. | 11. | 11. | 11. | 6. | 2.41 | 5.51 | 1.60 |
| 051 Glades Co | 001 | F01 | 13 | 3. | 3. | 3. | 3. | 3. | 5. | 16. | 16. | 16. | 4. | 3.75 | 3.21 | 1.73 |
| 051 Naples | 002 | F01 | 11 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| | 003 | F01 | 5 | 6. | 6. | 6. | 6. | 7. | 7. | 7. | 7. | 7. | | | | |
| 051 Punta Gorda | 002 | F01 | 13 | 3. | 3. | 3. | 3. | 3. | 8. | 8. | 8. | 8. | 4. | 2.28 | 3.24 | 1.63 |
| 051 Sarasota | 001 | G03 | 63 | 3. | 3. | 3. | 3. | 3. | 8. | 12. | 30. | 30. | 4. | 4.45 | 3.31 | 1.79 |
| 051 Sarasota Co | 001 | G03 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| | 002 | G03 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 3. | .62 | 2.61 | 1.19 |
| | 006 | G03 | 15 | 3. | 3. | 3. | 3. | 3. | 7. | 17. | 17. | 17. | 4. | 3.86 | 3.23 | 1.77 |
| 051 Sebring | 001 | F01 | 14 | 3. | 3. | 3. | 3. | 7. | 8. | 9. | 9. | 9. | 5. | 2.78 | 4.07 | 1.80 |
| 052 Bartow | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 10. | 12. | 12. | 12. | 12. | 5. | 4.01 | 3.94 | 2.01 |
| 052 Bradenton | 003 | G02 | 15 | 3. | 3. | 3. | 3. | 5. | 11. | 14. | 14. | 14. | 5 | 3.90 | 3.84 | 1.94 |
| | 004 | G02 | 16 | 3. | 3. | 3. | 3. | 3. | 14. | 28. | 28. | 28. | 5 | 6.76 | 3.61 | 2.09 |
| | 006 | G02 | 16 | 3. | 3. | 3. | 3. | 9. | 16. | 19. | 19. | 19. | 6. | 5.85 | 4.45 | 2.27 |
| | 007 | G02 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 7. | 7. | 7. | 3. | 1.16 | 2.68 | 1.30 |
| 052 Brandon | 001 | G01 | 17 | 3. | 3. | 3. | 3. | 3. | 8. | 21. | 21. | 21. | 5. | 4.59 | 3.66 | 1.83 |
| 052 Brooksville | 001 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 052 Citrus Co | 001 | F01 | 2 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 052 Hillsborough Co | 003 | G01 | 17 | 3. | 3. | 3. | 3. | 8. | 29. | 60. | 60. | 60. | 11. | 15.32 | 5.53 | 2.90 |
| | 021 | G02 | 16 | 3. | 5. | 8. | 13. | 24. | 86. | 291. | 291 | 291. | 37. | 70.70 | 16.18 | 3.22 |
| | 040 | F02 | 15 | 3. | 3. | 3. | 3. | 10. | 20. | 20. | 20. | 20. | 6. | 6.33 | 4.35 | 2.31 |
| | 064 | G02 | 15 | 3. | 3. | 3. | 5. | 10. | 13. | 76. | 76. | 76. | 11. | 18.33 | 6.50 | 2.51 |
| | 066 | G02 | 18 | 3. | 3. | 8. | 10. | 13. | 42. | 71. | 71. | 71. | 15. | 16.94 | 9.41 | 2.53 |
| 052 Lakeland | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 11. | 11. | 11. | 11. | 5. | 3.78 | 3.69 | 1.95 |
| | 002 | F01 | 13 | 3. | 3. | 3. | 3. | 3. | 10. | 10. | 10. | 10. | 4. | 3.29 | 3.44 | 1.84 |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **FLORIDA — Cont.** | | | | | | | | | | | | | | | | |
| 052 Largo | 001 | G01 | 4 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 052 Manatee Co | 004 | G03 | 13 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| | 005 | G02 | 16 | 3. | 3. | 3. | 3. | 3. | 13. | 20. | 20. | 20. | 5. | 4.92 | 3.48 | 1.93 |
| | 008 | G02 | 16 | 3. | 3. | 3. | 3. | 6. | 13. | 30. | 30. | 30. | 6. | 7.24 | 4.28 | 2.23 |
| | 011 | G02 | 13 | 3. | 3. | 3. | 3. | 3. | 24. | 53. | 53. | 53. | 9. | 14.67 | 4.19 | 2.82 |
| | 012 | G02 | 9 | 3. | 3. | 3. | 12. | 26. | 44. | 44. | 44. | 44. | 17. | 16.09 | 9.83 | 3.28 |
| | 013 | G02 | 14 | 3. | 3. | 3. | 3. | 5. | 7. | 22. | 22. | 22. | 5. | 5.19 | 3.69 | 1.90 |
| 052 Mulberry | 001 | F01 | 11 | 3. | 3. | 3. | 3. | 3. | 10. | 20. | 20. | 20. | 5. | 5.68 | 3.89 | 2.17 |
| 052 Pinellas Co | 001 | G01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| | 002 | G01 | 6 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 052 Polk Co | 001 | F02 | 11 | 3. | 3. | 3. | 3. | 3. | 11. | 12. | 12. | 12. | 4. | 3.65 | 3.30 | 1.85 |
| | 002 | F02 | 15 | 3. | 3. | 3. | 3. | 3. | 10. | 20. | 20. | 20. | 4. | 4.79 | 3.15 | 1.87 |
| | 004 | F01 | 15 | 3. | 3. | 3. | 10. | 11. | 20. | 22. | 22. | 22. | 8. | 6.49 | 5.89 | 2.37 |
| 052 St Petersburg | 012 | H01 | 15 | 3. | 3. | 3. | 5. | 7. | 10. | 11. | 11. | 11. | 5. | 3.13 | 4.54 | 1.83 |
| | 018 | H01 | 13 | 3. | 3. | 3. | 6. | 7. | 7. | 10. | 10. | 10. | 5. | 2.45 | 4.62 | 1.69 |
| | 021 | H01 | 13 | 3. | 3. | 3. | 6. | 7. | 7. | 9. | 9. | 9. | 5. | 2.44 | 4.33 | 1.71 |
| 052 Tampa | 002 | G02 | 16 | 3. | 3. | 3. | 8. | 10. | 26. | 29. | 29. | 29. | 9. | 8.11 | 6.93 | 2.28 |
| | 024 | G02 | 19 | 3. | 5. | 8. | 13. | 26. | 37. | 39. | 39. | 39. | 17. | 11.26 | 13.09 | 2.12 |
| | 030 | G01 | 16 | 3. | 3. | 8. | 10. | 21. | 31. | 42. | 42. | 42. | 16. | 11.40 | 11.52 | 2.44 |
| | 034 | G02 | 16 | 3. | 3. | 8. | 10. | 16. | 26. | 29. | 29. | 29. | 13. | 7.71 | 10.79 | 2.01 |
| | 035 | G02 | 14 | 3. | 3. | 3. | 16. | 21. | 58. | 86. | 86. | 86. | 23. | 24.74 | 12.00 | 3.60 |
| | 040 | G05 | 13 | 3. | 3. | 3. | 8. | 13. | 13. | 18. | 18. | 18. | 8. | 5.29 | 6.00 | 2.12 |
| **GEORGIA** | | | | | | | | | | | | | | | | |
| 002 Columbus | 003 | F01 | 12 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 049 Brunswick | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| | 002 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 053 Augusta | 004 | F01 | 8 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 054 Lyons | 002 | F01 | 11 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 054 Macon | 006 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 8. | 17. | 17. | 17. | 4. | 3.98 | 3.27 | 1.80 |
| | 007 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| | 008 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 7. | 8. | 8. | 8. | 4. | 2.04 | 3.32 | 1.60 |
| | 010 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 055 Rome | 001 | F01 | 14 | 3. | 3. | 3. | 3. | 9. | 12. | 17. | 17. | 17. | 7. | 4.76 | 5.03 | 2.13 |
| | 003 | F01 | 13 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 055 Rossville | 002 | F01 | 12 | 3. | 3. | 3. | 3. | 6. | 12. | 17. | 17. | 17. | 6. | 4.84 | 4.25 | 2.06 |
| 056 Atlanta | 001 | G01 | 8 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | .00 | 13.00 | 1.00 |
| | 031 | G01 | 16 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | .00 | 13.00 | 1.00 |
| | 035 | G01 | 14 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | .00 | 13.00 | 1.00 |
| | 036 | G02 | 14 | 13. | 13. | 13. | 13. | 13. | 13. | 30. | 30. | 30. | 14. | 4.54 | 13.80 | 1.25 |
| | 038 | G02 | 15 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | .00 | 13.00 | 1.00 |
| | 039 | G01 | 16 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | .00 | 13.00 | 1.00 |
| | 041 | G01 | 16 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | .00 | 13.00 | 1.00 |
| | 042 | G02 | 15 | 13. | 13. | 13. | 13. | 13. | 13. | 39. | 39. | 39. | 15. | 6.71 | 13.99 | 1.33 |
| 056 Hapeville | 001 | G01 | 15 | 13. | 13. | 13. | 13. | 13. | 13. | 25. | 25. | 25. | 14. | 3.10 | 13.58 | 1.18 |
| 058 Savannah | 002 | F01 | 2 | 3. | 3. | 3. | 3. | 12. | 12. | 12. | 12. | 12. | | | | |
| | 009 | F01 | 10 | 3. | 3. | 3. | 3. | 3. | 3. | 6. | 6. | 6. | 3. | 1.20 | 2.74 | 1.34 |
| | 011 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 059 Albany | 002 | F01 | 9 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 059 Valdosta | 002 | F01 | 12 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| **IDAHO** | | | | | | | | | | | | | | | | |
| 061 Bannock Co | 004 | F02 | 17 | 3. | 3. | 3. | 3. | 7. | 27. | 51. | 51. | 51. | 10. | 12.91 | 5.45 | 2.72 |
| 063 Mountain Home | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| **ILLINOIS** | | | | | | | | | | | | | | | | |
| 065 East Peoria | 003 | F01 | 6 | 5. | 5. | 5. | 5. | 21. | 65. | 65. | 65. | 65. | 19. | 23.69 | 11.29 | 2.79 |
| 065 Galesburg | 002 | F01 | 9 | 5. | 5. | 5. | 5. | 5. | 34. | 34. | 34. | 34. | 9. | 9.54 | 6.75 | 1.86 |
| 065 Peoria | 023 | F01 | 5 | 5. | 5. | 5. | 5. | 5. | 50. | 50. | 50. | 50. | | | | |
| | 027 | F01 | 6 | 5. | 5. | 5. | 5. | 8. | 63. | 63. | 63. | 63. | | | | |
| | 030 | F01 | 7 | 5. | 5. | 5. | 13. | 29. | 155. | 155. | 155. | 155. | 39. | 54.78 | 17.52 | 3.87 |
| 066 Bloomington | 001 | F01 | 10 | 5. | 5. | 5. | 5. | 8. | 13. | 16. | 16. | 16. | 8. | 3.80 | 6.95 | 1.52 |
| 066 Champaign | 002 | F01 | 8 | 5. | 5. | 5. | 5. | 5. | 13. | 13. | 13. | 13. | 6. | 2.78 | 5.88 | 1.38 |
| 066 Danville | 002 | F01 | 3 | 5. | 5. | 5. | 5. | 13. | 13. | 13. | 13. | 13. | | | | |
| 067 Bensenville | 002 | F01 | 9 | 5. | 5. | 5. | 5. | 5. | 45. | 45. | 45. | 45. | 10. | 13.00 | 7.18 | 2.06 |

# SULFUR DIOXIDE, micrograms per cubic meter (25 C)
# GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **ILLINOIS — Cont.** | | | | | | | | | | | | | | | | |
| 067 Blue Island | 001 | G01 | 31 | 3. | 3. | 3. | 3. | 8. | 34. | 60. | 89. | 89. | 14. | 20.85 | 6.11 | 3.32 |
| 067 Calumet City | 001 | G01 | 29 | 3. | 3. | 3. | 3. | 3. | 21. | 31. | 71. | 71. | 7. | 13.86 | 3.93 | 2.44 |
| 067 Chicago | 003 | H01 | 15 | 3. | 3. | 8. | 13. | 18. | 39. | 63. | 63. | 63. | 17. | 15.99 | 11.80 | 2.51 |
| | 004 | H01 | 16 | 3. | 3. | 8. | 8. | 26. | 50. | 58. | 58. | 58. | 18. | 17.15 | 12.07 | 2.59 |
| | 005 | H01 | 14 | 3. | 3. | 10. | 24. | 47. | 68. | 73. | 73. | 73. | 30. | 25.68 | 16.45 | 3.75 |
| | 007 | H01 | 16 | 3. | 3. | 3. | 10. | 29. | 55. | 60. | 60. | 60. | 19. | 20.27 | 10.18 | 3.51 |
| | 009 | H01 | 15 | 3. | 3. | 3. | 13. | 24. | 45. | 47. | 47. | 47. | 18. | 16.87 | 10.01 | 3.35 |
| | 010 | H01 | 16 | 3. | 3. | 5. | 10. | 26. | 47. | 55. | 55. | 55. | 18. | 16.57 | 11.12 | 2.98 |
| | 011 | H01 | 16 | 3. | 3. | 8. | 18. | 37. | 52. | 102. | 102. | 102. | 25. | 25.75 | 14.68 | 3.31 |
| | 012 | H01 | 16 | 3. | 3. | 3. | 10. | 45. | 58. | 162. | 162. | 162. | 29. | 40.87 | 12.12 | 4.24 |
| | 015 | H01 | 16 | 3. | 3. | 5. | 8. | 26. | 55. | 58. | 58. | 58. | 19. | 19.22 | 11.29 | 2.98 |
| | 016 | H01 | 16 | 3. | 3. | 3. | 8. | 16. | 29. | 34. | 34. | 34. | 11. | 10.81 | 7.15 | 2.74 |
| | 017 | H01 | 16 | 3. | 3. | 8. | 10. | 39. | 47. | 134. | 134. | 134. | 27. | 32.88 | 15.16 | 3.18 |
| | 018 | H01 | 16 | 3. | 3. | 5. | 8. | 31. | 58. | 63. | 63. | 63. | 21. | 20.43 | 12.35 | 3.16 |
| | 020 | H01 | 16 | 3. | 3. | 3. | 8. | 45. | 63. | 73. | 73. | 73. | 23. | 25.32 | 11.20 | 3.67 |
| | 021 | H01 | 16 | 3. | 3. | 8. | 18. | 37. | 63. | 113. | 113. | 113. | 28. | 28.91 | 16.25 | 3.18 |
| | 022 | H01 | 16 | 3. | 3. | 5. | 16. | 45. | 60. | 71. | 71. | 71. | 26. | 23.02 | 14.49 | 3.48 |
| | 025 | H01 | 16 | 3. | 8. | 10. | 24. | 45. | 55. | 65. | 65. | 65. | 27. | 19.74 | 19.63 | 2.50 |
| | 030 | H01 | 15 | 3. | 3. | 3. | 8. | 24. | 65. | 105. | 105. | 105. | 22. | 28.97 | 10.59 | 3.60 |
| | 031 | H01 | 16 | 3. | 3. | 21. | 31. | 60. | 81. | 102. | 102. | 102. | 41. | 30.88 | 26.62 | 3.17 |
| | 032 | H01 | 15 | 3. | 3. | 3. | 8. | 16. | 26. | 29. | 29. | 29. | 11. | 9.09 | 7.61 | 2.52 |
| | 034 | H01 | 11 | 3. | 3. | 8. | 16. | 26. | 34. | 42. | 42. | 42. | 18. | 13.50 | 12.39 | 2.71 |
| | 036 | H01 | 15 | 3. | 3. | 8. | 10. | 39. | 50. | 55. | 55. | 55. | 22. | 19.30 | 14.05 | 2.94 |
| | 037 | H01 | 13 | 3. | 3. | 3. | 26. | 42. | 52. | 58. | 58. | 58. | 24. | 20.76 | 13.22 | 3.66 |
| 067 Chicago Heights | 001 | G01 | 29 | 3. | 3. | 3. | 3. | 5. | 42. | 45. | 79. | 79. | 10. | 17.01 | 4.85 | 2.70 |
| 067 Cicero | 001 | G01 | 31 | 3. | 3. | 3. | 3. | 16. | 31. | 52. | 71. | 71. | 13. | 16.61 | 6.91 | 3.17 |
| 067 Cook Co | 003 | F01 | 7 | 5. | 5. | 5. | 5. | 5. | 29. | 29. | 29. | 29. | 10. | 8.91 | 7.62 | 1.97 |
| | 004 | F01 | 7 | 5. | 5. | 5. | 5. | 5. | 10. | 10. | 10. | 10. | 6. | 2.06 | 6.13 | 1.32 |
| 067 Des Plaines | 001 | G01 | 30 | 3. | 3. | 3. | 3. | 3. | 5. | 16. | 52. | 52. | 5. | 9.30 | 3.22 | 1.90 |
| 067 Flossmoor | 001 | G01 | 31 | 3. | 3. | 3. | 3. | 3. | 21. | 42. | 52. | 52. | 8. | 12.12 | 4.29 | 2.54 |
| 067 Harvey | 001 | G01 | 30 | 3. | 3. | 3. | 3. | 3. | 26. | 39. | 81. | 81. | 9. | 16.82 | 3.93 | 2.66 |
| 067 Hillside | 001 | G01 | 30 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 8. | 8. | 3. | .96 | 2.72 | 1.22 |
| 067 Joliet | 002 | G01 | 8 | 5. | 5. | 8. | 13. | 24. | 39. | 39. | 39. | 39. | 18. | 13.68 | 13.72 | 2.24 |
| 067 Lockport | 002 | G01 | 8 | 5. | 5. | 5. | 5. | 5. | 29. | 29. | 29. | 29. | 9. | 8.40 | 7.27 | 1.90 |
| 067 Morton Grove | 001 | G01 | 29 | 3. | 3. | 3. | 3. | 5. | 16. | 18. | 37. | 37. | 6. | 7.29 | 4.40 | 2.15 |
| 067 Oak Park | 002 | G01 | 31 | 3. | 3. | 3. | 10. | 18. | 37. | 50. | 76. | 76. | 16. | 17.55 | 8.73 | 3.16 |
| 067 Park Forest | 001 | G01 | 28 | 3. | 3. | 3. | 3. | 8. | 18. | 52. | 110. | 110. | 11. | 21.85 | 5.26 | 2.81 |
| 067 Romeoville | 002 | G01 | 5 | 5. | 5. | 5. | 5. | 21. | 29. | 29. | 29. | 29. | | | | |
| 067 Skokie | 005 | G01 | 30 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 067 Summit | 001 | G01 | 31 | 3. | 3. | 3. | 18. | 34. | 45. | 65. | 71. | 71. | 22. | 19.64 | 12.90 | 3.37 |
| 067 Waukegan | 004 | F01 | 6 | 5. | 5. | 5. | 5. | 13. | 24. | 24. | 24. | 24. | 10. | 7.53 | 7.84 | 1.92 |
| 067 Will Co | 004 | G01 | 7 | 5. | 5. | 10. | 24. | 31. | 55. | 55. | 55. | 55. | 25. | 19.24 | 17.45 | 2.65 |
| 067 Wilmette | 001 | G01 | 29 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 3. | .49 | 2.68 | 1.14 |
| 068 Galena | 002 | F01 | 10 | 5. | 5. | 5. | 5. | 8. | 8. | 34. | 34. | 34. | 9. | 8.84 | 7.43 | 1.77 |
| 069 East Moline | 001 | F01 | 6 | 5. | 5. | 5. | 5. | 5. | 8. | 8. | 8. | 8. | 6. | 1.07 | 5.61 | 1.18 |
| 070 East St Louis | 008 | F01 | 8 | 5. | 5. | 18. | 21. | 45. | 92. | 92. | 92. | 92. | 36. | 27.89 | 26.44 | 2.48 |
| 070 Granite City | 006 | F01 | 10 | 5. | 5. | 18. | 39. | 50. | 55. | 65. | 65. | 65. | 37. | 19.47 | 30.00 | 2.20 |
| 070 Wood River | 007 | F01 | 10 | 3. | 3. | 5. | 5. | 26. | 60. | 110. | 110. | 110. | 27. | 34.36 | 12.66 | 3.77 |
| 071 Henry | 001 | F01 | 7 | 5. | 5. | 5. | 10. | 13. | 34. | 34. | 34. | 34. | 12. | 10.23 | 9.82 | 2.00 |
| 071 La Salle | 001 | F01 | 9 | 5. | 5. | 5. | 5. | 8. | 13. | 13. | 13. | 13. | 7. | 2.93 | 6.55 | 1.43 |
| 071 Ottawa | 002 | F01 | 7 | 5. | 5. | 5. | 5. | 8. | 10. | 10. | 10. | 10. | 7. | 2.49 | 6.77 | 1.40 |
| 072 Metropolis | 007 | F01 | 1 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | | | | |
| 073 Rockford | 005 | F01 | 6 | 5. | 5. | 5. | 5. | 8. | 16. | 16. | 16. | 16. | | | | |
| 074 Effingham | 001 | F01 | 7 | 5. | 5. | 5. | 5. | 8. | 18. | 18. | 18. | 18. | 8. | 4.88 | 7.33 | 1.63 |
| 074 Marion | 001 | F01 | 8 | 5. | 5. | 5. | 5. | 5. | 13. | 13. | 13. | 13. | 6. | 2.78 | 5.88 | 1.38 |
| 075 Decatur | 007 | F01 | 10 | 5. | 5. | 5. | 5. | 5. | 5. | 13. | 13. | 13. | 6. | 2.49 | 5.74 | 1.34 |
| 075 Quincy | 004 | F01 | 5 | 5. | 5. | 5. | 5. | 18. | 26. | 26. | 26. | 26. | | | | |
| 075 Springfield | 003 | F01 | 10 | 5. | 5. | 5. | 5. | 8. | 13. | 191. | 191. | 191. | 25. | 58.42 | 8.92 | 3.06 |
| **INDIANA** | | | | | | | | | | | | | | | | |
| 067 Crown Point | 001 | F01 | 5 | 6. | 6. | 6. | 6. | 16. | 26. | 26. | 26. | 26. | | | | |
| 067 East Chicago | 001 | H02 | 5 | 16. | 16. | 21. | 39. | 49. | 125. | 125. | 125. | 125. | | | | |
| | 003 | H02 | 5 | 14. | 14. | 36. | 43. | 100. | 162. | 162. | 162. | 162. | | | | |
| | 004 | H02 | 5 | 5. | 5. | 8. | 78. | 86. | 118. | 118. | 118. | 118. | | | | |
| | 006 | H02 | 5 | 5. | 5. | 8. | 49. | 95. | 134. | 134. | 134. | 134. | | | | |
| | 007 | H02 | 5 | 5. | 5. | 27. | 36. | 43. | 67. | 67. | 67. | 67. | | | | |
| 067 Gary | 001 | H01 | 5 | 5. | 5. | 5. | 5. | 9. | 35. | 35. | 35. | 35. | | | | |
| | 002 | H01 | 6 | 5. | 5. | 5. | 5. | 9. | 9. | 9. | 9. | 9. | | | | |

# SULFUR DIOXIDE, micrograms per cubic meter (25 C)
# GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **INDIANA — Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 003 | H01 | 6 | 6. | 6. | 6. | 10. | 25. | 31. | 31. | 31. | 31. |  |  |  |  |
|  | 005 | H01 | 3 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. |  |  |  |  |
|  | 008 | H01 | 3 | 5. | 5. | 5. | 5. | 14. | 14. | 14. | 14. | 14. |  |  |  |  |
|  | 011 | H01 | 6 | 5. | 5. | 6. | 10. | 35. | 38. | 38. | 38. | 38. |  |  |  |  |
|  | 014 | H01 | 6 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. |  |  |  |  |
|  | 016 | F01 | 5 | 6. | 6. | 15. | 25. | 39. | 60. | 60. | 60. | 60. |  |  |  |  |
|  | 016 | H01 | 5 | 13. | 13. | 16. | 27. | 29. | 39. | 39. | 39. | 39. |  |  |  |  |
|  | 018 | F01 | 5 | 6. | 6. | 6. | 6. | 27. | 39. | 39. | 39. | 39. |  |  |  |  |
| 067 Hammond | 001 | H01 | 5 | 6. | 6. | 18. | 42. | 44. | 56. | 56. | 56. | 56. |  |  |  |  |
|  | 002 | H01 | 5 | 6. | 6. | 6. | 6. | 13. | 19. | 19. | 19. | 19. |  |  |  |  |
|  | 004 | H01 | 5 | 6. | 6. | 14. | 18. | 73. | 131. | 131. | 131. | 131. |  |  |  |  |
|  | 005 | H01 | 5 | 6. | 6. | 20. | 22. | 27. | 38. | 38. | 38. | 38. |  |  |  |  |
|  | 006 | H01 | 5 | 6. | 6. | 15. | 22. | 28. | 39. | 39. | 39. | 39. |  |  |  |  |
|  | 007 | H01 | 5 | 6. | 6. | 6. | 6. | 13. | 22. | 22. | 22. | 22. |  |  |  |  |
| 067 Whiting | 003 | F01 | 5 | 16. | 16. | 26. | 28. | 89. | 136. | 136. | 136. | 136. |  |  |  |  |
| 076 Anderson | 006 | F01 | 5 | 6. | 6. | 13. | 16. | 19. | 27. | 27. | 27. | 27. |  |  |  |  |
| 076 Marion | 001 | F01 | 5 | 6. | 6. | 6. | 6. | 16. | 20. | 20. | 20. | 20. |  |  |  |  |
| 076 Richmond | 001 | F01 | 5 | 6. | 6. | 15. | 16. | 33. | 58. | 58. | 58. | 58. |  |  |  |  |
|  | 002 | F01 | 5 | 6. | 6. | 6. | 6. | 42. | 86. | 86. | 86. | 86. |  |  |  |  |
| 077 Evansville | 006 | F01 | 5 | 6. | 6. | 6. | 19. | 21. | 23. | 23. | 23. | 23. |  |  |  |  |
| 077 Jasper | 001 | F01 | 4 | 15. | 15. | 21. | 21. | 25. | 31. | 31. | 31. | 31. |  |  |  |  |
| 078 Jeffersonville | 001 | F01 | 5 | 6. | 6. | 16. | 17. | 37. | 62. | 62. | 62. | 62. |  |  |  |  |
| 080 Indianapolis | 002 | H01 | 5 | 33. | 33. | 50. | 62. | 110. | 137. | 137. | 137. | 137. |  |  |  |  |
|  | 003 | H01 | 5 | 12. | 12. | 12. | 12. | 51. | 59. | 59. | 59. | 59. |  |  |  |  |
|  | 006 | H01 | 5 | 3. | 3. | 12. | 12. | 38. | 49. | 49. | 49. | 49. |  |  |  |  |
|  | 008 | H01 | 4 | 3. | 3. | 3. | 3. | 12. | 12. | 12. | 12. | 12. |  |  |  |  |
|  | 009 | H01 | 4 | 3. | 3. | 3. | 3. | 6. | 8. | 8. | 8. | 8. |  |  |  |  |
|  | 013 | H01 | 5 | 3. | 3. | 12. | 12. | 31. | 67. | 67. | 67. | 67. |  |  |  |  |
|  | 015 | H01 | 5 | 12. | 12. | 12. | 46. | 58. | 93. | 93. | 93. | 93. |  |  |  |  |
|  | 021 | F01 | 5 | 18. | 18. | 31. | 38. | 63. | 127. | 127. | 127. | 127. |  |  |  |  |
|  | 025 | H01 | 5 | 12. | 12. | 12. | 12. | 29. | 59. | 59. | 59. | 59. |  |  |  |  |
|  | 026 | H01 | 5 | 3. | 3. | 12. | 12. | 12. | 55. | 55. | 55. | 55. |  |  |  |  |
| 081 Fort Wayne | 003 | F01 | 4 | 6. | 6. | 13. | 13. | 17. | 19. | 19. | 19. | 19. |  |  |  |  |
| 082 Elkhart | 001 | F01 | 4 | 6. | 6. | 6. | 6. | 20. | 20. | 20. | 20. | 20. |  |  |  |  |
| 082 La Porte | 001 | F01 | 3 | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. |  |  |  |  |
| 082 Michigan City | 001 | H01 | 4 | 6. | 6. | 6. | 6. | 14. | 18. | 18. | 18. | 18. |  |  |  |  |
| 083 Bloomington | 001 | F01 | 5 | 6. | 6. | 15. | 17. | 24. | 30. | 30. | 30. | 30. |  |  |  |  |
| 083 Madison | 003 | F01 | 5 | 6. | 6. | 6. | 24. | 29. | 55. | 55. | 55. | 55. |  |  |  |  |
| 084 Jasper Co | 001 | F03 | 5 | 6. | 6. | 6. | 6. | 14. | 22. | 22. | 22. | 22. |  |  |  |  |
| 084 Kokomo | 002 | F01 | 5 | 6. | 6. | 6. | 20. | 21. | 29. | 29. | 29. | 29. |  |  |  |  |
| 084 Lafayette | 001 | F01 | 4 | 6. | 6. | 18. | 18. | 29. | 48. | 48. | 48. | 48. |  |  |  |  |
| 084 Terre Haute | 009 | F01 | 5 | 6. | 6. | 6. | 6. | 6. | 35. | 35. | 35. | 35. |  |  |  |  |
|  | 010 | G01 | 5 | 6. | 6. | 6. | 17. | 27. | 33. | 33. | 33. | 33. |  |  |  |  |
| 084 Vincennes | 001 | F01 | 2 | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. | 6. |  |  |  |  |
| **IOWA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 065 Keokuk | 004 | F01 | 12 | 3. | 3. | 12. | 12. | 12. | 12. | 48. | 48. | 48. | 14. | 11.50 | 10.70 | 2.18 |
| 068 Dubuque | 008 | P05 | 10 | 3. | 3. | 3. | 5. | 10. | 14. | 14. | 14. | 14. | 7. | 4.77 | 5.67 | 2.14 |
| 069 Davenport | 009 | F01 | 16 | 3. | 3. | 12. | 12. | 12. | 26. | 40. | 40. | 40. | 13. | 9.75 | 9.74 | 2.41 |
| 069 Muscatine | 011 | F01 | 15 | 3. | 12. | 12. | 12. | 12. | 12. | 50. | 50. | 50. | 14. | 10.20 | 12.32 | 1.76 |
| 085 Council Bluffs | 016 | F01 | 11 | 3. | 3. | 3. | 3. | 12. | 12. | 12. | 12. | 12. | 6. | 5.05 | 4.49 | 2.25 |
| 086 Sioux City | 015 | F01 | 15 | 3. | 3. | 3. | 12. | 12. | 12. | 12. | 12. | 12. | 8. | 5.07 | 6.57 | 2.26 |
| 087 Rock Rapids | 002 | F01 | 15 | 3. | 3. | 3. | 3. | 12. | 12. | 12. | 12. | 12. | 6. | 5.07 | 4.76 | 2.26 |
| 088 Waterloo | 003 | F01 | 13 | 3. | 3. | 3. | 3. | 12. | 12. | 12. | 12. | 12. | 7. | 5.19 | 5.25 | 2.31 |
| 089 Mason City | 011 | F01 | 14 | 3. | 3. | 3. | 3. | 12. | 12. | 12. | 12. | 12. | 7. | 5.19 | 5.59 | 2.31 |
| 090 Spencer | 001 | F01 | 16 | 3. | 3. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 10. | 4.47 | 8.36 | 2.05 |
| 091 Iowa City | 008 | F01 | 16 | 3. | 3. | 12. | 12. | 12. | 21. | 109. | 109. | 109. | 18. | 24.68 | 12.10 | 2.27 |
| 091 Ottumwa | 011 | F01 | 16 | 3. | 3. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 10. | 4.47 | 8.36 | 2.05 |
| 092 Ames | 003 | F02 | 16 | 3. | 3. | 3. | 12. | 12. | 23. | 37. | 37. | 37. | 11. | 9.82 | 7.10 | 2.71 |
| 092 Des Moines | 001 | G01 | 8 | 3. | 3. | 3. | 6. | 9. | 14. | 14. | 14. | 14. | 7. | 4.25 | 5.47 | 2.01 |
|  | 001 | P01 | 5 | 3. | 3. | 3. | 3. | 5. | 19. | 19. | 19. | 19. |  |  |  |  |
|  | 023 | F01 | 16 | 3. | 3. | 3. | 3. | 12. | 12. | 12. | 12. | 12. | 7. | 5.16 | 5.59 | 2.30 |
|  | 044 | G01 | 16 | 3. | 3. | 3. | 3. | 5. | 7. | 11. | 11. | 11. | 4. | 2.43 | 3.41 | 1.64 |
|  | 045 | G01 | 16 | 3. | 3. | 3. | 3. | 3. | 7. | 22. | 22. | 22. | 5. | 5.04 | 3.44 | 1.88 |
|  | 046 | G02 | 16 | 3. | 3. | 3. | 3. | 5. | 9. | 10. | 10. | 10. | 4. | 2.90 | 3.58 | 1.76 |
| 092 Pella | 002 | F01 | 16 | 3. | 3. | 3. | 12. | 12. | 12. | 37. | 37. | 37. | 10. | 8.67 | 7.32 | 2.46 |
| 092 Polk Co | 021 | G02 | 16 | 3. | 3. | 3. | 3. | 8. | 12. | 21. | 21. | 21. | 6. | 5.16 | 4.21 | 2.09 |
| 092 Warren Co | 007 | G02 | 16 | 3. | 3. | 3. | 3. | 7. | 16. | 20. | 20. | 20. | 5. | 5.23 | 3.84 | 2.04 |

# SULFUR DIOXIDE, micrograms per cubic meter (25 C)
# GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **IOWA—Cont.** | | | | | | | | | | | | | | | | |
| 093 Denison | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 12. | 12. | 12. | 12. | 12. | 6. | 5.00 | 4.57 | 2.24 |
| **KANSAS** | | | | | | | | | | | | | | | | |
| 094 Kansas City | 001 | H01 | 16 | 3. | 3. | 3. | 3. | 3. | 10. | 10. | 10. | 10. | 4. | 2.58 | 3.24 | 1.65 |
| | 004 | H01 | 15 | 3. | 3. | 3. | 3. | 3. | 11. | 32. | 32. | 32. | 5. | 7.77 | 3.27 | 2.09 |
| | 011 | H01 | 16 | 3. | 3. | 3. | 3. | 3. | 16. | 29. | 29. | 29. | 6. | 7.69 | 3.67 | 2.31 |
| | 012 | P01 | 16 | 3. | 3. | 5. | 6. | 50. | 57. | 58. | 58. | 58. | 22. | 23.27 | 10.91 | 3.61 |
| | 015 | P01 | 13 | 3. | 3. | 3. | 3. | 5. | 19. | 21. | 21. | 21. | 6. | 6.44 | 4.19 | 2.20 |
| 094 Leavenworth | 001 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 094 Olathe | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 094 Overland Park | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 5. | 3. | .85 | 2.73 | 1.27 |
| 095 Atchison | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 5. | 8. | 8. | 8. | 3. | 1.47 | 2.81 | 1.39 |
| 095 Lawrence | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 6. | 6. | 6. | 3. | .87 | 2.64 | 1.24 |
| 095 Pottawatomie Co | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 095 Shawnee Co | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 6. | 6. | 6. | 6. | 3. | 1.20 | 2.79 | 1.35 |
| | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 6. | 6. | 6. | 6. | 3. | 1.20 | 2.79 | 1.35 |
| | 003 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 6. | 6. | 6. | 6. | 3. | 1.41 | 2.95 | 1.42 |
| 095 Topeka | 001 | P01 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 12. | 12. | 12. | 3. | 2.45 | 2.78 | 1.50 |
| | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 20. | 23. | 23. | 23. | 6. | 6.52 | 3.74 | 2.17 |
| | 004 | F01 | 16 | 3. | 3. | 3. | 3. | 6. | 21. | 25. | 25. | 25. | 6. | 6.93 | 3.89 | 2.17 |
| | 005 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 6. | 6. | 6. | 6. | 3. | 1.20 | 2.79 | 1.35 |
| | 006 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 6. | 6. | 6. | 6. | 3. | 1.23 | 2.81 | 1.36 |
| 096 Mc Pherson | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 096 Manhattan | 001 | F01 | 13 | 3. | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 3. | .69 | 2.64 | 1.21 |
| 097 Goodland | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 097 Graham Co | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 3. | .62 | 2.61 | 1.19 |
| 097 Phillipsburg | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 098 Coffeyville | 001 | F01 | 12 | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 5. | 3. | .97 | 2.81 | 1.31 |
| 098 Linn Co | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 12. | 12. | 12. | 3. | 2.37 | 2.76 | 1.48 |
| 099 Arkansas City | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 6. | 6. | 6. | 3. | .90 | 2.65 | 1.25 |
| 099 El Dorado | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 099 Hutchinson | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 099 Sedgwick Co | 003 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 7. | 7. | 7. | 3. | 1.12 | 2.67 | 1.29 |
| | 004 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 099 Wichita | 001 | P01 | 16 | 3. | 3. | 3. | 3. | 3. | 5. | 7. | 7. | 7. | 3. | 1.25 | 2.78 | 1.35 |
| | 005 | F01 | 11 | 3. | 3. | 3. | 3. | 7. | 11. | 13. | 13. | 13. | 5. | 3.90 | 4.01 | 1.97 |
| | 006 | F01 | 16 | 3. | 3. | 3. | 3. | 6. | 10. | 13. | 13. | 13. | 4. | 3.28 | 3.63 | 1.81 |
| | 007 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 7. | 13. | 13. | 13. | 3. | 2.79 | 2.96 | 1.60 |
| | 008 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 7. | 10. | 10. | 10. | 3. | 2.12 | 2.91 | 1.52 |
| | 009 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 7. | 7. | 7. | 3. | 1.12 | 2.67 | 1.29 |
| 100 Dodge City | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 100 Ulysses | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 5. | 9. | 9. | 9. | 3. | 1.75 | 2.85 | 1.44 |
| **KENTUCKY** | | | | | | | | | | | | | | | | |
| 072 Ballard Co | 002 | F01 | 15 | 3. | 3. | 3. | 3. | 5. | 19. | 20. | 20. | 20. | 5. | 5.94 | 3.83 | 2.08 |
| | 003 | F01 | 16 | 3. | 3. | 3. | 3. | 5. | 15. | 27. | 27. | 27. | 6. | 6.69 | 4.32 | 2.16 |
| 072 Carlisle Co | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 5. | 18. | 22. | 22. | 22. | 6. | 6.55 | 4.07 | 2.24 |
| 072 Central City | 002 | F01 | 15 | 3. | 3. | 3. | 3. | 6. | 16. | 18. | 18. | 18. | 6. | 6.33 | 4.37 | 2.35 |
| 072 Fulton | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 9. | 21. | 31. | 31. | 31. | 7. | 8.55 | 4.39 | 2.48 |
| 072 Hopkinsville | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 5. | 5. | 3. | 1.31 | 3.15 | 1.43 |
| 072 Mc Cracken Co | 001 | F02 | 13 | 3. | 3. | 3. | 3. | 8. | 15. | 19. | 19. | 19. | 6. | 5.45 | 4.36 | 2.17 |
| 072 Madisonville | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 5. | 9. | 9. | 9. | 9. | 5. | 2.55 | 3.95 | 1.71 |
| 072 Marshall Co | 002 | F01 | 13 | 3. | 3. | 3. | 3. | 5. | 13. | 22. | 22. | 22. | 6. | 5.70 | 4.28 | 2.05 |
| | 008 | F01 | 11 | 3. | 3. | 3. | 3. | 11. | 18. | 42. | 42. | 42. | 10. | 12.28 | 5.87 | 2.88 |
| 072 Murray | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 5. | 3. | 1.10 | 2.87 | 1.35 |
| 072 Paducah | 001 | F01 | 15 | 3. | 3. | 3. | 5. | 8. | 37. | 39. | 39. | 39. | 9. | 12.08 | 5.72 | 2.55 |
| | 002 | F01 | 13 | 3. | 3. | 3. | 3. | 9. | 11. | 42. | 42. | 42. | 8. | 10.71 | 5.00 | 2.46 |
| | 003 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 9. | 22. | 22. | 22. | 4. | 5.44 | 3.21 | 1.93 |
| | 004 | F01 | 14 | 3. | 3. | 3. | 3. | 8. | 22. | 33. | 33. | 33. | 9. | 9.42 | 5.47 | 2.56 |
| | 005 | F03 | 12 | 3. | 3. | 3. | 3. | 3. | 3. | 10. | 10. | 10. | 3. | 2.05 | 2.80 | 1.47 |
| | 020 | F01 | 15 | 3. | 3. | 3. | 5. | 8. | 43. | 55. | 55. | 55. | 12. | 15.88 | 6.38 | 2.81 |
| 072 Princeton | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 3. | .72 | 2.63 | 1.21 |
| 077 Hancock Co | 002 | F01 | 16 | 3. | 3. | 3. | 5. | 17. | 22. | 27. | 27. | 27. | 9. | 8.57 | 6.25 | 2.50 |
| | 004 | F01 | 16 | 3. | 3. | 3. | 3. | 6. | 9. | 11. | 11. | 11. | 5. | 2.95 | 3.80 | 1.79 |
| 077 Henderson | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 26. | 44. | 53. | 53. | 53. | 15. | 16.70 | 7.62 | 3.49 |
| | 003 | F01 | 16 | 3. | 3. | 3. | 5. | 12. | 41. | 41. | 41. | 41. | 12. | 13.40 | 6.93 | 2.79 |

# SULFUR DIOXIDE, micrograms per cubic meter (25 C)
# GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Std. dev. | Geometric Mean | Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **KENTUCKY — Cont.** | | | | | | | | | | | | | | | | |
| | 004 | F01 | 13 | 3. | 3. | 3. | 3. | 20. | 32. | 86. | 86. | 86. | 15. | 23.92 | 6.20 | 3.66 |
| | 005 | F01 | 13 | 3. | 3. | 3. | 3. | 7. | 18. | 24. | 24. | 24. | 6. | 7.26 | 4.22 | 2.37 |
| | 008 | F01 | 15 | 3. | 3. | 7. | 15. | 21. | 63. | 64. | 64. | 64. | 21. | 21.01 | 12.89 | 3.07 |
| | 009 | F01 | 15 | 3. | 3. | 3. | 5. | 11. | 51. | 54. | 54. | 54. | 13. | 17.33 | 6.54 | 3.14 |
| 077 Henderson Co | 001 | F02 | 6 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 077 Owensboro | 001 | F01 | 11 | 3. | 3. | 12. | 13. | 20. | 43. | 58. | 58. | 58. | 20. | 17.84 | 12.24 | 3.10 |
| | 002 | F01 | 14 | 3. | 3. | 3. | 8. | 28. | 39. | 149. | 149. | 149. | 24. | 38.19 | 10.21 | 4.04 |
| | 003 | F01 | 15 | 3. | 3. | 3. | 8. | 12. | 34. | 50. | 50. | 50. | 12. | 13.71 | 6.70 | 2.89 |
| | 005 | F01 | 16 | 3. | 3. | 3. | 8. | 18. | 28. | 73. | 73. | 73. | 15. | 17.98 | 8.56 | 3.10 |
| | 006 | F01 | 16 | 3. | 3. | 3. | 11. | 22. | 41. | 51. | 51. | 51. | 16. | 15.39 | 9.58 | 3.18 |
| | 008 | F01 | 16 | 3. | 3. | 10. | 20. | 34. | 73. | 74. | 74. | 74. | 27. | 21.96 | 18.33 | 2.75 |
| 078 Buechel | 001 | G01 | 15 | 3. | 3. | 3. | 3. | 18. | 28. | 48. | 48. | 48. | 12. | 13.76 | 6.55 | 3.12 |
| 078 Jefferson Co | 013 | G01 | 14 | 11. | 11. | 17. | 28. | 43. | 65. | 73. | 73. | 73. | 34. | 20.70 | 27.71 | 1.94 |
| | 027 | G03 | 16 | 3. | 3. | 3. | 3. | 5. | 15. | 16. | 16. | 16. | 5. | 4.96 | 3.86 | 2.06 |
| 078 Louisville | 004 | G02 | 12 | 3. | 5. | 10. | 24. | 37. | 59. | 81. | 81. | 81. | 31. | 24.36 | 20.74 | 2.86 |
| | 009 | G01 | 15 | 3. | 6. | 8. | 20. | 28. | 72. | 84. | 84. | 84. | 27. | 24.89 | 17.46 | 2.73 |
| | 011 | G01 | 14 | 3. | 10. | 22. | 26. | 47. | 80. | 99. | 99. | 99. | 38. | 29.55 | 27.03 | 2.66 |
| | 014 | G01 | 11 | 3. | 3. | 3. | 21. | 27. | 62. | 65. | 65. | 65. | 24. | 23.84 | 12.26 | 3.94 |
| | 015 | G01 | 15 | 3. | 3. | 30. | 40. | 46. | 92. | 104. | 104. | 104. | 43. | 32.10 | 27.94 | 3.29 |
| | 019 | G01 | 13 | 3. | 8. | 19. | 21. | 46. | 55. | 74. | 74. | 74. | 31. | 21.41 | 22.49 | 2.57 |
| | 020 | G01 | 14 | 3. | 3. | 3. | 3. | 12. | 26. | 40. | 40. | 40. | 10. | 11.10 | 5.79 | 2.68 |
| | 021 | G01 | 16 | 3. | 3. | 13. | 22. | 35. | 48. | 63. | 63. | 63. | 24. | 17.73 | 15.74 | 3.20 |
| | 027 | G01 | 16 | 11. | 17. | 28. | 44. | 69. | 75. | 137. | 137. | 137. | 51. | 31.23 | 42.19 | 1.95 |
| 078 Okolona | 001 | G01 | 14 | 3. | 3. | 9. | 13. | 28. | 45. | 54. | 54. | 54. | 22. | 18.18 | 13.68 | 3.14 |
| 078 Pleasure Ridge Park | 001 | G01 | 16 | 3. | 3. | 3. | 3. | 27. | 44. | 101. | 101. | 101. | 19. | 26.35 | 8.03 | 3.87 |
| 078 St Matthews | 004 | G01 | 15 | 3. | 3. | 9. | 23. | 39. | 44. | 51. | 51. | 51. | 25. | 16.93 | 17.36 | 2.85 |
| 078 Shively | 001 | G01 | 14 | 3. | 12. | 29. | 31. | 54. | 110. | 110. | 110. | 110. | 46. | 33.49 | 32.77 | 2.67 |
| 079 Alexandria | 001 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 8. | 25. | 25. | 25. | 5. | 6.15 | 3.71 | 2.04 |
| 079 Boone Co | 001 | F01 | 14 | 3. | 3. | 3. | 9. | 13. | 19. | 20. | 20. | 20. | 10. | 6.92 | 6.80 | 2.51 |
| | 002 | F01 | 15 | 3. | 3. | 3. | 12. | 20. | 59. | 64. | 64. | 64. | 17. | 19.64 | 9.36 | 3.36 |
| 079 Carroll Co | 001 | F03 | 15 | 3. | 3. | 3. | 7. | 14. | 50. | 66. | 66. | 66. | 16. | 19.11 | 8.21 | 3.24 |
| 079 Carrollton | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 5. | 3. | 1.12 | 2.89 | 1.35 |
| 079 Covington | 007 | F01 | 14 | 3. | 3. | 18. | 18. | 26. | 37. | 93. | 93. | 93. | 24. | 21.97 | 17.29 | 2.58 |
| 079 Erlanger | 001 | F01 | 15 | 3. | 3. | 13. | 14. | 22. | 27. | 39. | 39. | 39. | 16. | 10.92 | 11.19 | 2.69 |
| 079 Falmouth | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 5. | 6. | 6. | 6. | 3. | 1.16 | 2.77 | 1.33 |
| 079 Florence | 001 | F01 | 16 | 3. | 3. | 7. | 11. | 16. | 25. | 27. | 27. | 27. | 12. | 7.47 | 9.35 | 2.18 |
| 079 Fort Mitchell | 002 | F01 | 15 | 3. | 3. | 3. | 3. | 7. | 17. | 33. | 33. | 33. | 7. | 8.34 | 4.85 | 2.34 |
| 079 Fort Thomas | 001 | F01 | 16 | 3. | 3. | 3. | 7. | 11. | 14. | 32. | 32. | 32. | 9. | 7.67 | 6.17 | 2.28 |
| 079 Gallatin Co | 001 | F03 | 14 | 3. | 3. | 5. | 8. | 17. | 21. | 28. | 28. | 28. | 11. | 8.45 | 8.07 | 2.48 |
| 079 Newport | 001 | F01 | 12 | 3. | 3. | 3. | 3. | 5. | 14. | 15. | 15. | 15. | 5. | 4.57 | 4.02 | 1.98 |
| 079 Owen Co | 001 | F01 | 15 | 3. | 3. | 3. | 5. | 12. | 18. | 18. | 18. | 18. | 8. | 6.22 | 5.63 | 2.34 |
| 101 Corbin | 001 | F01 | 10 | 3. | 3. | 3. | 5. | 5. | 6. | 6. | 6. | 6. | 4. | 1.59 | 4.02 | 1.51 |
| 101 Hazard | 001 | F01 | 10 | 3. | 3. | 3. | 5. | 5. | 6. | 6. | 6. | 6. | 5. | 1.51 | 4.36 | 1.47 |
| 101 London | 002 | F01 | 11 | 3. | 3. | 3. | 5. | 5. | 6. | 6. | 6. | 6. | 4. | 1.52 | 3.80 | 1.49 |
| 101 Middlesborough | 001 | F01 | 11 | 3. | 3. | 3. | 3. | 5. | 5. | 6. | 6. | 6. | 4. | 1.50 | 3.32 | 1.48 |
| 101 Pikeville | 001 | F01 | 11 | 3. | 3. | 3. | 3. | 5. | 6. | 6. | 6. | 6. | 4. | 1.54 | 3.56 | 1.50 |
| 101 Prestonsburg | 001 | F01 | 13 | 3. | 3. | 3. | 5. | 6. | 6. | 6. | 6. | 6. | 5. | 1.69 | 4.19 | 1.53 |
| 102 Berea | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 7. | 12. | 12. | 12. | 4. | 2.61 | 3.11 | 1.62 |
| 102 Cynthiana | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 5. | 7. | 7. | 7. | 3. | 1.54 | 3.08 | 1.46 |
| 102 Danville | 003 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 10. | 18. | 18. | 18. | 4. | 4.21 | 3.23 | 1.82 |
| 102 Frankfort | 002 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 15. | 15. | 15. | 15. | 5. | 5.24 | 3.93 | 2.18 |
| 102 Franklin Co | 001 | F03 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 3. | .67 | 2.62 | 1.20 |
| 102 Lexington | 002 | F01 | 15 | 3. | 3. | 3. | 3. | 8. | 16. | 28. | 28. | 28. | 6. | 7.02 | 4.45 | 2.24 |
| | 003 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 5. | 3. | 1.16 | 2.93 | 1.37 |
| | 004 | F01 | 15 | 3. | 3. | 3. | 3. | 7. | 19. | 27. | 27. | 27. | 7. | 7.21 | 4.86 | 2.30 |
| | 005 | F01 | 14 | 3. | 3. | 3. | 3. | 5. | 10. | 12. | 12. | 12. | 5. | 3.14 | 4.22 | 1.80 |
| 102 Richmond | 001 | F01 | 13 | 3. | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 3. | .72 | 2.64 | 1.22 |
| 102 Winchester | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 8. | 11. | 11. | 11. | 4. | 2.44 | 3.08 | 1.60 |
| 103 Ashland | 003 | F01 | 16 | 3. | 3. | 3. | 3. | 12. | 32. | 33. | 33. | 33. | 10. | 10.50 | 5.90 | 2.72 |
| | 005 | F01 | 16 | 3. | 3. | 3. | 3. | 7. | 25. | 36. | 36. | 36. | 8. | 10.03 | 4.72 | 2.60 |
| | 006 | F01 | 16 | 3. | 3. | 3. | 10. | 14. | 23. | 38. | 38. | 38. | 11. | 10.11 | 7.69 | 2.64 |
| | 007 | F01 | 11 | 3. | 3. | 3. | 3. | 6. | 8. | 30. | 30. | 30. | 6. | 8.11 | 4.20 | 2.27 |
| | 008 | F01 | 16 | 3. | 3. | 3. | 3. | 15. | 38. | 40. | 40. | 40. | 12. | 14.40 | 5.91 | 3.28 |
| 103 Carter Co | 001 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 12. | 17. | 17. | 17. | 5. | 4.46 | 3.46 | 1.95 |
| 103 Catlettsburg | 001 | F01 | 12 | 3. | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 3. | .75 | 2.65 | 1.23 |
| 103 Greenup Co | 001 | F01 | 13 | 3. | 3. | 3. | 3. | 5. | 13. | 15. | 15. | 15. | 5. | 4.31 | 3.92 | 1.94 |
| | 002 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 7. | 8. | 8. | 8. | 3. | 1.91 | 3.07 | 1.54 |
| 103 Lawrence Co | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 6. | 10. | 10. | 10. | 3. | 2.03 | 2.89 | 1.50 |
| 103 Maysville | 004 | F01 | 11 | 3. | 3. | 3. | 3. | 3. | 5. | 61. | 61. | 61. | 8. | 17.45 | 3.58 | 2.63 |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **KENTUCKY — Cont.** | | | | | | | | | | | | | | | | |
| 103 Morehead | 001 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 3. | .72 | 2.63 | 1.22 |
| 104 Bardstown | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 5. | 8. | 15. | 15. | 15. | 4. | 3.28 | 3.45 | 1.73 |
| 104 Elizabethtown | 002 | F01 | 13 | 3. | 3. | 3. | 7. | 19. | 21. | 25. | 25. | 25. | 10. | 8.26 | 6.86 | 2.54 |
| | 003 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 5. | 8. | 8. | 8. | 3. | 1.78 | 3.18 | 1.51 |
| 104 Leitchfield | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 9. | 18. | 18. | 18. | 4. | 4.27 | 3.12 | 1.81 |
| 104 Oldham Co | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 12. | 20. | 25. | 25. | 25. | 8. | 7.31 | 5.23 | 2.47 |
| 104 Shelbyville | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 11. | 15. | 18. | 18. | 18. | 6. | 5.58 | 4.60 | 2.28 |
| 104 Shepherdsville | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 8. | 16. | 22. | 22. | 22. | 6. | 5.97 | 4.09 | 2.20 |
| 105 Bowling Green | 004 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 5. | 8. | 8. | 8. | 3. | 1.72 | 3.13 | 1.49 |
| | 005 | F01 | 16 | 3. | 3. | 3. | 3. | 5. | 5. | 27. | 27. | 27. | 5. | 6.09 | 3.47 | 1.88 |
| 105 Franklin | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 5. | 9. | 12. | 12. | 12. | 4. | 2.89 | 3.69 | 1.72 |
| 105 Glasgow | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 5. | 6. | 6. | 6. | 3. | 1.20 | 2.92 | 1.38 |
| 105 Russellville | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 5. | 7. | 8. | 8. | 8. | 4. | 1.84 | 3.43 | 1.55 |
| 105 Somerset | 002 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 5. | 31. | 31. | 31. | 5. | 7.49 | 3.15 | 1.98 |
| **LOUISIANA** | | | | | | | | | | | | | | | | |
| 019 Monroe | 001 | F01 | 11 | 3. | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 3. | .75 | 2.66 | 1.23 |
| 022 Shreveport | 001 | F01 | 2 | 6. | 6. | 6. | 6. | 12. | 12. | 12. | 12. | 12. | | | | |
| 106 Alexandria | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 7. | 7. | 7. | 3. | 1.16 | 2.68 | 1.30 |
| 106 Baton Rouge | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 14. | 26. | 51. | 51. | 51. | 11. | 13.82 | 5.69 | 3.11 |
| | 003 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 106 Harvey | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 106 Iberville Par | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| | 004 | F02 | 16 | 3. | 3. | 3. | 3. | 3. | 5. | 25. | 25. | 25. | 4. | 5.62 | 3.01 | 1.80 |
| 106 Lafayette | 001 | F01 | 13 | 3. | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 3. | .69 | 2.64 | 1.21 |
| 106 Lake Charles | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 6. | 11. | 11. | 11. | 3. | 2.27 | 3.03 | 1.55 |
| | 002 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 7. | 8. | 8. | 8. | 4. | 1.85 | 3.17 | 1.53 |
| 106 Metairie | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 106 New Orleans | 002 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 13. | 14. | 14. | 14. | 4. | 3.93 | 3.35 | 1.87 |
| 106 St John The Baptist Par | 001 | F01 | 11 | 3. | 3. | 3. | 3. | 3. | 5. | 6. | 6. | 6. | 3. | 1.23 | 2.88 | 1.38 |
| | 002 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 106 Westlake | 002 | F01 | 9 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| **MAINE** | | | | | | | | | | | | | | | | |
| 107 Augusta | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 8. | 14. | 19. | 19. | 19. | 6. | 5.20 | 4.42 | 2.15 |
| 107 Lewiston | 005 | F01 | 15 | 3. | 3. | 3. | 11. | 16. | 26. | 43. | 43. | 43. | 12. | 11.73 | 7.88 | 2.74 |
| | 006 | F01 | 15 | 3. | 3. | 3. | 3. | 5. | 11. | 16. | 16. | 16. | 5. | 4.09 | 3.73 | 1.91 |
| 107 Lincoln Co | 001 | F02 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 107 Livermore Falls | 001 | F02 | 15 | 3. | 3. | 3. | 3. | 8. | 19. | 21. | 21. | 21. | 7. | 6.62 | 4.41 | 2.36 |
| 107 Mexico | 003 | F02 | 16 | 3. | 3. | 3. | 7. | 13. | 30. | 56. | 56. | 56. | 13. | 14.24 | 7.80 | 2.71 |
| 107 Rockland | 003 | F01 | 15 | 3. | 3. | 3. | 5. | 11. | 16. | 31. | 31. | 31. | 9. | 7.97 | 5.83 | 2.45 |
| 107 Somerset Co | 001 | F01 | 8 | 3. | 3. | 3. | 3. | 3. | 6. | 6. | 6. | 6. | 3. | 1.24 | 2.79 | 1.36 |
| 107 Waterville | 001 | F01 | 16 | 3. | 3. | 3. | 6. | 12. | 31. | 90. | 90. | 90. | 13. | 21.83 | 6.71 | 2.97 |
| 107 Winslow | 002 | F01 | 14 | 3. | 3. | 3. | 11. | 64. | 142. | 237. | 237. | 237. | 51. | 70.22 | 16.15 | 5.60 |
| 108 Madawaska | 002 | F02 | 14 | 3. | 3. | 9. | 14. | 18. | 29. | 33. | 33. | 33. | 15. | 9.76 | 11.19 | 2.46 |
| 108 Presque Isle | 002 | F01 | 13 | 3. | 3. | 5. | 5. | 12. | 24. | 33. | 33. | 33. | 10. | 9.20 | 7.21 | 2.34 |
| 109 Acadia Nat Park | 001 | F03 | 8 | 3. | 3. | 3. | 3. | 3. | 10. | 10. | 10. | 10. | 4. | 3.25 | 3.49 | 1.86 |
| 109 Bangor | 001 | F01 | 23 | 3. | 3. | 3. | 10. | 18. | 31. | 35. | 35. | 35. | 13. | 11.47 | 8.17 | 2.89 |
| 109 Millinocket | 001 | F02 | 16 | 3. | 3. | 3. | 3. | 12. | 40. | 108. | 108. | 108. | 14. | 26.78 | 6.01 | 3.13 |
| | 002 | F02 | 22 | 3. | 3. | 3. | 3. | 6. | 66. | 113. | 251. | 251. | 25. | 57.21 | 6.06 | 4.28 |
| 109 Old Town | 001 | F02 | 15 | 3. | 3. | 3. | 3. | 3. | 12. | 14. | 14. | 14. | 4. | 3.70 | 3.26 | 1.80 |
| 109 Washington Co | 001 | F02 | 8 | 3. | 3. | 3. | 5. | 11. | 77. | 77. | 77. | 77. | 18. | 26.57 | 8.05 | 3.69 |
| | 003 | F02 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 110 Biddeford | 001 | F01 | 16 | 3. | 3. | 5. | 7. | 15. | 19. | 49. | 49. | 49. | 12. | 11.58 | 7.91 | 2.46 |
| 110 Portland | 004 | F01 | 10 | 3. | 3. | 3. | 9. | 10. | 16. | 39. | 39. | 39. | 11. | 11.15 | 7.11 | 2.68 |
| | 006 | F01 | 16 | 3. | 3. | 3. | 3. | 8. | 20. | 44. | 44. | 44. | 9. | 10.78 | 5.31 | 2.50 |
| | 007 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 21. | 23. | 23. | 23. | 6. | 6.71 | 3.74 | 2.20 |
| 110 South Portland | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 9. | 12. | 16. | 16. | 16. | 6. | 4.45 | 4.84 | 2.06 |
| | 002 | F01 | 15 | 3. | 3. | 3. | 3. | 5. | 16. | 18. | 18. | 18. | 6. | 5.17 | 4.20 | 2.08 |
| **MARYLAND** | | | | | | | | | | | | | | | | |
| 047 Laurel | 002 | H01 | 15 | 3. | 5. | 9. | 14. | 19. | 29. | 55. | 55. | 55. | 18. | 13.35 | 13.42 | 2.20 |
| 047 Montgomery Co | 010 | F01 | 5 | 3. | 3. | 5. | 13. | 17. | 31. | 31. | 31. | 31. | 14. | 11.31 | 9.69 | 2.73 |
| 047 Prince Georges Co | 006 | G01 | 16 | 3. | 3. | 3. | 19. | 43. | 56. | 63. | 63. | 63. | 24. | 23.14 | 11.91 | 4.01 |
| | 023 | H01 | 15 | 3. | 5. | 9. | 15. | 16. | 19. | 24. | 24. | 24. | 13. | 6.02 | 11.36 | 1.85 |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **MARYLAND — Cont.** | | | | | | | | | | | | | | | | |
| 047 Rockville | 002 | G01 | 12 | 3. | 3. | 3. | 11. | 21. | 26. | 27. | 27. | 27. | 13. | 10.29 | 8.44 | 3.00 |
| 112 Brunswick | 001 | G05 | 14 | 3. | 3. | 5. | 6. | 11. | 17. | 19. | 19. | 19. | 9. | 5.23 | 7.17 | 1.89 |
| 112 Frederick | 007 | G01 | 16 | 3. | 3. | 3. | 3. | 7. | 11. | 31. | 31. | 31. | 6. | 7.34 | 4.25 | 2.21 |
| 112 Frederick Co | 003 | F02 | 14 | 3. | 5. | 9. | 11. | 16. | 29. | 36. | 36. | 36. | 15. | 9.60 | 11.86 | 2.04 |
| | 021 | F01 | 16 | 3. | 3. | 5. | 11. | 17. | 20. | 62. | 62. | 62. | 14. | 14.13 | 9.60 | 2.32 |
| | 024 | G01 | 2 | 19. | 19. | 19. | 19. | 26. | 26. | 26. | 26. | 26. | | | | |
| | 025 | G01 | 16 | 3. | 3. | 3. | 3. | 7. | 18. | 47. | 47. | 47. | 7. | 11.32 | 4.43 | 2.43 |
| 113 Allegany Co | 002 | G01 | 15 | 3. | 3. | 9. | 13. | 23. | 31. | 31. | 31. | 31. | 16. | 10.89 | 11.57 | 2.55 |
| 113 Cumberland | 001 | G01 | 15 | 3. | 3. | 3. | 3. | 5. | 9. | 11. | 11. | 11. | 4. | 2.67 | 3.45 | 1.67 |
| | 004 | F01 | 12 | 3. | 3. | 3. | 5. | 13. | 41. | 139. | 139. | 139. | 20. | 38.88 | 7.84 | 3.66 |
| | 009 | F01 | 15 | 3. | 3. | 7. | 15. | 25. | 33. | 43. | 43. | 43. | 17. | 12.66 | 12.12 | 2.71 |
| | 010 | F01 | 14 | 3. | 3. | 7. | 14. | 21. | 41. | 41. | 41. | 41. | 17. | 12.63 | 12.64 | 2.49 |
| 113 Garrett Co | 001 | F01 | 15 | 3. | 6. | 9. | 17. | 23. | 37. | 39. | 39. | 39. | 18. | 11.16 | 14.13 | 2.16 |
| | 003 | F03 | 14 | 13. | 14. | 28. | 36. | 42. | 63. | 63. | 63. | 63. | 36. | 17.04 | 31.53 | 1.72 |
| 113 Hagerstown | 001 | F01 | 15 | 3. | 3. | 8. | 13. | 20. | 29. | 38. | 38. | 38. | 14. | 10.64 | 10.14 | 2.62 |
| | 002 | F01 | 16 | 3. | 5. | 9. | 16. | 24. | 32. | 37. | 37. | 37. | 18. | 9.95 | 14.41 | 2.08 |
| | 005 | F01 | 14 | 3. | 3. | 5. | 14. | 17. | 21. | 22. | 22. | 22. | 12. | 7.38 | 9.03 | 2.33 |
| 113 Westernport | 003 | F01 | 12 | 3. | 3. | 7. | 11. | 15. | 22. | 22. | 22. | 22. | 12. | 6.64 | 9.42 | 2.10 |
| 114 Cambridge | 001 | F01 | 14 | 3. | 3. | 3. | 5. | 7. | 19. | 21. | 21. | 21. | 7. | 6.37 | 5.31 | 2.23 |
| 114 Dorchester Co | 001 | F02 | 13 | 3. | 3. | 3. | 5. | 13. | 16. | 17. | 17. | 17. | 7. | 5.90 | 5.44 | 2.31 |
| | 002 | F02 | 14 | 3. | 3. | 3. | 6. | 10. | 16. | 62. | 62. | 62. | 11. | 15.45 | 6.20 | 2.64 |
| | 003 | F02 | 13 | 3. | 3. | 3. | 3. | 5. | 11. | 15. | 15. | 15. | 5. | 3.88 | 4.04 | 1.86 |
| 114 Elkton | 001 | F01 | 14 | 3. | 3. | 7. | 15. | 21. | 37. | 38. | 38. | 38. | 17. | 11.87 | 12.12 | 2.49 |
| 114 Salisbury | 002 | F01 | 13 | 3. | 3. | 3. | 5. | 11. | 15. | 25. | 25. | 25. | 7. | 6.85 | 5.32 | 2.30 |
| 115 Annapolis | 002 | G01 | 11 | 3. | 3. | 7. | 10. | 14. | 18. | 20. | 20. | 20. | 10. | 6.20 | 7.97 | 2.23 |
| 115 Anne Arundel Co | 002 | G01 | 9 | 3. | 3. | 3. | 6. | 11. | 31. | 31. | 31. | 31. | 9. | 8.92 | 6.44 | 2.35 |
| | 003 | G01 | 12 | 3. | 3. | 7. | 13. | 20. | 23. | 67. | 67. | 67. | 17. | 17.42 | 11.12 | 2.83 |
| | 006 | G01 | 9 | 3. | 3. | 3. | 5. | 5. | 22. | 22. | 22. | 22. | 7. | 6.22 | 5.05 | 2.05 |
| | 008 | G01 | 12 | 3. | 3. | 3. | 6. | 12. | 15. | 17. | 17. | 17. | 8. | 5.43 | 5.81 | 2.22 |
| 115 Baltimore | 005 | H01 | 13 | 3. | 3. | 3. | 6. | 8. | 10. | 15. | 15. | 15. | 6. | 3.96 | 4.88 | 1.97 |
| | 006 | H01 | 14 | 3. | 7. | 13. | 14. | 28. | 42. | 76. | 76. | 76. | 23. | 18.94 | 17.11 | 2.34 |
| | 007 | H01 | 14 | 3. | 3. | 10. | 13. | 17. | 41. | 42. | 42. | 42. | 17. | 13.44 | 11.61 | 2.67 |
| | 008 | H01 | 15 | 3. | 3. | 9. | 14. | 17. | 25. | 26. | 26. | 26. | 13. | 7.36 | 11.02 | 2.09 |
| | 018 | F01 | 16 | 3. | 3. | 3. | 7. | 12. | 22. | 87. | 87. | 87. | 13. | 20.51 | 7.46 | 2.70 |
| | 024 | F01 | 22 | 7. | 13. | 24. | 26. | 37. | 52. | 60. | 98. | 98. | 33. | 20.11 | 27.60 | 1.83 |
| | 025 | F01 | 13 | 5. | 5. | 9. | 30. | 49. | 59. | 61. | 61. | 61. | 31. | 21.24 | 22.14 | 2.59 |
| | 028 | F01 | 13 | 3. | 3. | 5. | 12. | 41. | 51. | 55. | 55. | 55. | 22. | 20.28 | 12.43 | 3.30 |
| | 029 | F01 | 15 | 3. | 3. | 3. | 7. | 16. | 25. | 38. | 38. | 38. | 11. | 10.73 | 6.89 | 2.71 |
| | 031 | F01 | 16 | 3. | 3. | 21. | 29. | 32. | 101. | 116. | 116. | 116. | 35. | 31.41 | 23.13 | 2.94 |
| 115 Baltimore Co | 002 | F01 | 16 | 3. | 3. | 3. | 5. | 9. | 21. | 40. | 40. | 40. | 8. | 9.78 | 5.50 | 2.39 |
| | 003 | G01 | 16 | 3. | 3. | 3. | 3. | 5. | 9. | 15. | 15. | 15. | 5. | 3.60 | 3.82 | 1.85 |
| | 004 | G01 | 16 | 3. | 3. | 5. | 13. | 21. | 31. | 68. | 68. | 68. | 17. | 16.62 | 11.20 | 2.75 |
| | 006 | F02 | 15 | 3. | 3. | 6. | 13. | 21. | 41. | 51. | 51. | 51. | 17. | 15.18 | 11.44 | 2.78 |
| | 007 | G01 | 15 | 3. | 3. | 3. | 3. | 3. | 11. | 14. | 14. | 14. | 4. | 3.63 | 3.51 | 1.84 |
| 115 Bel Air | 001 | F01 | 15 | 3. | 3. | 3. | 5. | 8. | 10. | 10. | 10. | 10. | 5. | 3.05 | 4.49 | 1.82 |
| 115 Cockeysville | 006 | G01 | 14 | 3. | 3. | 5. | 9. | 19. | 31. | 51. | 51. | 51. | 15. | 13.91 | 9.42 | 2.84 |
| 115 Dundalk | 001 | F01 | 16 | 3. | 3. | 17. | 31. | 37. | 45. | 45. | 45. | 45. | 28. | 13.95 | 21.50 | 2.49 |
| | 002 | G02 | 15 | 7. | 9. | 12. | 15. | 19. | 37. | 39. | 39. | 39. | 18. | 9.66 | 15.73 | 1.64 |
| | 003 | G02 | 15 | 3. | 3. | 20. | 25. | 35. | 65. | 244. | 244. | 244. | 41. | 58.84 | 22.31 | 3.28 |
| 115 Edgemere | 001 | G02 | 16 | 3. | 7. | 10. | 11. | 25. | 40. | 69. | 69. | 69. | 19. | 16.36 | 14.56 | 2.19 |
| 115 Essex | 001 | G01 | 15 | 3. | 3. | 10. | 19. | 23. | 48. | 53. | 53. | 53. | 21. | 16.48 | 14.59 | 2.67 |
| 115 Howard Co | 003 | F01 | 15 | 3. | 3. | 3. | 3. | 5. | 12. | 31. | 31. | 31. | 6. | 7.55 | 4.05 | 2.21 |
| 115 Lansdowne-Baltimore Highln | 001 | F01 | 16 | 3. | 3. | 3. | 20. | 27. | 30. | 83. | 83. | 83. | 19. | 20.20 | 10.77 | 3.40 |
| 115 Middle River | 002 | G01 | 16 | 3. | 3. | 7. | 11. | 16. | 31. | 31. | 31. | 31. | 13. | 9.26 | 9.77 | 2.31 |
| 115 Riviera Beach | 002 | G01 | 9 | 3. | 3. | 5. | 12. | 21. | 60. | 60. | 60. | 60. | 18. | 18.26 | 11.16 | 3.00 |
| 115 Towson | 002 | G01 | 15 | 3. | 6. | 12. | 15. | 25. | 36. | 39. | 39. | 39. | 18. | 10.57 | 15.10 | 2.03 |
| 115 Westminster | 002 | F01 | 15 | 3. | 5. | 9. | 13. | 20. | 29. | 38. | 38. | 38. | 16. | 9.77 | 12.54 | 2.08 |
| 116 Calvert Co | 005 | F02 | 16 | 3. | 3. | 5. | 5. | 11. | 18. | 19. | 19. | 19. | 8. | 5.73 | 6.20 | 2.04 |
| 116 Charles Co | 001 | F01 | 7 | 3. | 3. | 3. | 3. | 3. | 72. | 72. | 72. | 72. | 13. | 26.08 | 4.58 | 3.52 |
| 116 St Marys Co | 002 | F01 | 13 | 3. | 3. | 3. | 3. | 10. | 10. | 21. | 21. | 21. | 6. | 5.57 | 4.28 | 2.15 |
| **MASSACHUSETTS** | | | | | | | | | | | | | | | | |
| 042 Chicopee | 001 | F01 | 10 | 3. | 3. | 3. | 8. | 16. | 18. | 21. | 21. | 21. | 11. | 7.25 | 8.02 | 2.40 |
| | 003 | F01 | 1 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | | | | |
| | 005 | F01 | 10 | 3. | 3. | 3. | 8. | 13. | 16. | 21. | 21. | 21. | 9. | 6.79 | 6.75 | 2.38 |
| 042 Greenfield | 002 | F01 | 1 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 042 Holyoke | 004 | F01 | 10 | 3. | 3. | 3. | 13. | 16. | 18. | 21. | 21. | 21. | 11. | 6.88 | 8.63 | 2.37 |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **MASSACHUSETTS — Cont.** | | | | | | | | | | | | | | | | |
| 042 Springfield | 002 | F01 | 8 | 3. | 3. | 8. | 8. | 16. | 21. | 21. | 21. | 21. | 11. | 6.22 | 9.33 | 1.99 |
| | 003 | F01 | 10 | 3. | 3. | 8. | 13. | 18. | 24. | 26. | 26. | 26. | 15. | 7.73 | 12.16 | 2.08 |
| | 005 | F01 | 10 | 5. | 5. | 8. | 13. | 24. | 24. | 26. | 26. | 26. | 16. | 8.42 | 13.58 | 1.90 |
| 117 Adams | 001 | F01 | 1 | 8. | 8. | 8. | 8. | 8. | 8. | 8. | 8. | 8. | | | | |
| 117 Lee | 001 | F01 | 1 | 8. | 8. | 8. | 8. | 8. | 8. | 8. | 8. | 8. | | | | |
| 117 North Adams | 002 | F01 | 11 | 3. | 5. | 8. | 16. | 16. | 18. | 29. | 29. | 29. | 13. | 7.32 | 11.01 | 1.96 |
| 117 Pittsfield | 002 | F01 | 10 | 3. | 3. | 8. | 16. | 29. | 37. | 39. | 39. | 39. | 20. | 14.25 | 14.10 | 2.79 |
| | 004 | F01 | 11 | 3. | 5. | 8. | 8. | 8. | 13. | 21. | 21. | 21. | 9. | 4.74 | 8.06 | 1.68 |
| 118 Athol | 001 | F01 | 16 | 3. | 3. | 3. | 8. | 10. | 16. | 24. | 24. | 24. | 8. | 6.01 | 6.16 | 2.15 |
| 118 Fitchburg | 003 | F01 | 16 | 3. | 3. | 10. | 16. | 16. | 26. | 26. | 26. | 26. | 14. | 8.50 | 10.93 | 2.43 |
| | 004 | F01 | 15 | 3. | 5. | 8. | 10. | 13. | 29. | 37. | 37. | 37. | 14. | 9.98 | 11.10 | 2.04 |
| | 006 | F01 | 12 | 3. | 3. | 3. | 3. | 8. | 10. | 16. | 16. | 16. | 6. | 4.16 | 4.60 | 1.92 |
| 118 Warren | 001 | F01 | 16 | 3. | 3. | 3. | 5. | 8. | 8. | 10. | 10. | 10. | 5. | 2.61 | 4.79 | 1.68 |
| 118 Worchester | 004 | F01 | 15 | 3. | 3. | 3. | 8. | 18. | 31. | 45. | 45. | 45. | 13. | 13.19 | 7.75 | 3.06 |
| | 008 | F01 | 15 | 3. | 3. | 3. | 5. | 10. | 21. | 21. | 21. | 21. | 8. | 6.48 | 5.46 | 2.24 |
| | 009 | F01 | 16 | 3. | 3. | 8. | 13. | 18. | 34. | 34. | 34. | 34. | 15. | 9.60 | 11.77 | 2.17 |
| | 012 | F01 | 16 | 3. | 3. | 3. | 8. | 13. | 18. | 26. | 26. | 26. | 9. | 7.02 | 7.17 | 2.24 |
| | 013 | F01 | 15 | 3. | 3. | 3. | 8. | 10. | 13. | 18. | 18. | 18. | 7. | 5.26 | 5.62 | 2.16 |
| 119 Ashland | 001 | F01 | 4 | 5. | 5. | 5. | 5. | 10. | 37. | 37. | 37. | 37. | | | | |
| 119 Boston | 002 | F01 | 13 | 3. | 8. | 8. | 13. | 31. | 39. | 60. | 60. | 60. | 21. | 16.67 | 15.35 | 2.37 |
| | 012 | F01 | 10 | 3. | 3. | 3. | 8. | 13. | 21. | 31. | 31. | 31. | 10. | 9.57 | 7.11 | 2.59 |
| 119 Brookline | 001 | F01 | 11 | 3. | 3. | 3. | 3. | 5. | 13. | 13. | 13. | 13. | 5. | 4.14 | 3.98 | 1.91 |
| 119 Cambridge | 001 | F01 | 14 | 3. | 3. | 3. | 5. | 18. | 26. | 60. | 60. | 60. | 14. | 16.12 | 7.56 | 3.09 |
| | 004 | F01 | 14 | 3. | 3. | 10. | 10. | 18. | 31. | 45. | 45. | 45. | 15. | 11.56 | 11.12 | 2.28 |
| 119 Framingham | 001 | F01 | 12 | 3. | 3. | 3. | 3. | 5. | 8. | 8. | 8. | 8. | 4. | 2.09 | 3.53 | 1.58 |
| 119 Lynn | 001 | F01 | 14 | 3. | 3. | 3. | 10. | 21. | 37. | 37. | 37. | 37. | 15. | 13.78 | 9.40 | 3.01 |
| 119 Medford | 002 | F01 | 11 | 3. | 3. | 3. | 3. | 13. | 26. | 34. | 34. | 34. | 10. | 11.00 | 5.82 | 2.79 |
| | 003 | F01 | 16 | 3. | 3. | 8. | 13. | 18. | 34. | 50. | 50. | 50. | 17. | 12.61 | 12.25 | 2.36 |
| 119 Needham | 003 | F01 | 10 | 3. | 3. | 3. | 3. | 8. | 10. | 29. | 29. | 29. | 7. | 8.20 | 4.77 | 2.34 |
| 119 Norwood | 001 | F01 | 13 | 3. | 3. | 3. | 5. | 10. | 16. | 45. | 45. | 45. | 9. | 11.54 | 5.43 | 2.45 |
| 119 Quincy | 002 | F01 | 12 | 3. | 3. | 3. | 8. | 16. | 18. | 50. | 50. | 50. | 12. | 13.33 | 7.47 | 2.77 |
| | 007 | F01 | 13 | 3. | 3. | 3. | 10. | 24. | 26. | 45. | 45. | 45. | 15. | 12.84 | 9.87 | 2.84 |
| 119 Revere | 002 | F01 | 13 | 3. | 3. | 5. | 13. | 13. | 29. | 37. | 37. | 37. | 13. | 10.14 | 9.28 | 2.39 |
| 119 Waltham | 004 | F01 | 11 | 3. | 3. | 3. | 3. | 5. | 13. | 18. | 18. | 18. | 6. | 5.51 | 4.37 | 2.15 |
| 119 Woburn | 002 | F01 | 13 | 3. | 3. | 3. | 3. | 5. | 13. | 29. | 29. | 29. | 6. | 7.45 | 4.32 | 2.18 |
| 120 Attleboro | 002 | F01 | 16 | 3. | 8. | 8. | 10. | 18. | 26. | 29. | 29. | 29. | 14. | 7.95 | 12.14 | 1.86 |
| 120 Brockton | 003 | F01 | 6 | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 5. | 5. | 3. | 1.35 | 3.30 | 1.43 |
| 120 Fall River | 001 | F01 | 16 | 3. | 3. | 5. | 10. | 16. | 24. | 34. | 34. | 34. | 12. | 8.97 | 9.11 | 2.18 |
| | 004 | F01 | 16 | 3. | 3. | 3. | 8. | 10. | 13. | 16. | 16. | 16. | 8. | 4.27 | 6.27 | 1.94 |
| 120 New Bedford | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 5. | 3. | .89 | 2.86 | 1.27 |
| 120 Taunton | 001 | F01 | 15 | 3. | 3. | 5. | 8. | 13. | 21. | 24. | 24. | 24. | 10. | 6.84 | 7.43 | 2.16 |
| 121 Haverhill | 001 | F01 | 13 | 3. | 3. | 3. | 5. | 8. | 26. | 45. | 45. | 45. | 10. | 12.42 | 6.07 | 2.66 |
| 121 Lawrence | 003 | F01 | 15 | 3. | 3. | 10. | 24. | 26. | 31. | 45. | 45. | 45. | 20. | 12.63 | 14.89 | 2.52 |
| 121 Lowell | 001 | F01 | 15 | 3. | 3. | 5. | 8. | 13. | 21. | 24. | 24. | 24. | 10. | 6.95 | 7.66 | 2.20 |
| | 003 | F01 | 15 | 3. | 3. | 8. | 10. | 21. | 24. | 26. | 26. | 26. | 14. | 8.47 | 10.67 | 2.20 |
| | 004 | F01 | 14 | 3. | 3. | 5. | 8. | 8. | 24. | 26. | 26. | 26. | 9. | 7.37 | 6.52 | 2.13 |
| **MINNESOTA** | | | | | | | | | | | | | | | | |
| 127 St Cloud | 021 | H01 | 11 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| | 024 | H01 | 11 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 128 Rochester | 014 | G01 | 15 | 3. | 3. | 3. | 3. | 5. | 10. | 10. | 10. | 10. | 4. | 2.92 | 3.72 | 1.73 |
| | 016 | G01 | 16 | 3. | 3. | 3. | 5. | 10. | 45. | 76. | 76. | 76. | 13. | 19.75 | 6.63 | 2.80 |
| 128 Winona | 009 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 5. | 10. | 10. | 10. | 3. | 2.16 | 3.04 | 1.49 |
| 129 Cloquet | 011 | F01 | 12 | 3. | 3. | 3. | 3. | 3. | 3. | 8. | 8. | 8. | 3. | 1.51 | 2.87 | 1.37 |
| 129 Duluth | 005 | G01 | 10 | 3. | 3. | 3. | 3. | 3. | 5. | 8. | 8. | 8. | 3. | 1.77 | 3.13 | 1.48 |
| | 019 | G01 | 8 | 3. | 3. | 3. | 3. | 3. | 8. | 8. | 8. | 8. | 3. | 1.85 | 3.01 | 1.47 |
| 129 Ely | 002 | F01 | 9 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 129 Hoyt Lakes | 004 | F01 | 11 | 3. | 3. | 3. | 3. | 3. | 3. | 10. | 10. | 10. | 3. | 2.37 | 2.97 | 1.52 |
| | 005 | F01 | 11 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 129 International Falls | 002 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 5. | 8. | 8. | 8. | 3. | 1.60 | 3.13 | 1.44 |
| 129 Lake Co | 002 | F01 | 10 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| | 003 | F01 | 9 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| | 004 | F01 | 6 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 129 St Louis Co | 003 | G01 | 8 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| | 005 | F01 | 11 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| | 006 | F01 | 11 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 131 Dakota Co | 020 | F02 | 16 | 3. | 3. | 3. | 5. | 52. | 228. | 246. | 246. | 246. | 55. | 87.90 | 13.11 | 5.99 |
| 131 Minneapolis | 007 | H01 | 16 | 3. | 3. | 3. | 3. | 3. | 29. | 63. | 63. | 63. | 9. | 15.92 | 4.40 | 2.75 |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

**1977 Second Quarter**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **MINNESOTA—Cont.** | | | | | | | | | | | | | | | | |
| | 014 | H01 | 14 | 3. | 3. | 3. | 3. | 5. | 26. | 26. | 26. | 26. | 8. | 9.04 | 4.93 | 2.60 |
| | 027 | F01 | 15 | 3. | 3. | 3. | 3. | 8. | 26. | 39. | 39. | 39. | 9. | 10.60 | 5.42 | 2.54 |
| | 047 | F01 | 16 | 3. | 3. | 3. | 5. | 10. | 21. | 225. | 225. | 225. | 21. | 54.69 | 7.49 | 3.12 |
| 131 Richfield | 001 | H02 | 12 | 3. | 3. | 3. | 3. | 8. | 10. | 31. | 31. | 31. | 7. | 8.24 | 4.60 | 2.24 |
| 131 St Paul | 003 | H01 | 14 | 3. | 3. | 3. | 3. | 13. | 21. | 42. | 42. | 42. | 10. | 11.39 | 5.99 | 2.82 |
| | 018 | H01 | 14 | 3. | 3. | 3. | 3. | 3. | 8. | 39. | 39. | 39. | 6. | 9.76 | 3.61 | 2.15 |
| | 021 | H01 | 14 | 3. | 3. | 5. | 5. | 10. | 18. | 26. | 26. | 26. | 9. | 7.10 | 6.92 | 2.21 |
| | 030 | H01 | 16 | 3. | 3. | 3. | 8. | 10. | 21. | 24. | 24. | 24. | 9. | 6.52 | 6.43 | 2.20 |
| | 031 | H01 | 16 | 3. | 3. | 3. | 3. | 8. | 34. | 220. | 220. | 220. | 21. | 53.93 | 5.93 | 3.59 |
| 131 St Paul Park | 006 | F02 | 16 | 3. | 3. | 3. | 8. | 24. | 155. | 157. | 157. | 157. | 36. | 55.70 | 12.12 | 4.63 |
| 132 Bemidji | 002 | F01 | 6 | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 5. | 5. | 4. | 1.44 | 3.71 | 1.46 |
| 133 Worthington | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 5. | 5. | 8. | 8. | 8. | 4. | 1.66 | 3.39 | 1.48 |
| **MISSISSIPPI** | | | | | | | | | | | | | | | | |
| 005 Gulfport | 002 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 7. | 10. | 10. | 10. | 4. | 2.35 | 3.16 | 1.61 |
| 005 Hattiesburg | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 6. | 8. | 8. | 8. | 3. | 1.58 | 2.84 | 1.42 |
| 005 Jackson | 007 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| | 008 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| | 010 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 005 Jackson Co | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 7. | 16. | 16. | 16. | 16. | 6. | 5.25 | 4.08 | 2.17 |
| 005 Lamar Co | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 21. | 21. | 21. | 4. | 4.62 | 2.86 | 1.70 |
| 005 Laurel | 002 | F01 | 7 | 3. | 3. | 3. | 6. | 28. | 132. | 132. | 132. | 132. | 35. | 49.60 | 11.37 | 5.51 |
| | 003 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 23. | 23. | 23. | 4. | 5.12 | 2.87 | 1.74 |
| 005 Meridian | 002 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 005 Natchez | 004 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 6. | 6. | 6. | 3. | .94 | 2.66 | 1.26 |
| 005 Pascagoula | 003 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 9. | 13. | 13. | 13. | 4. | 3.18 | 3.08 | 1.71 |
| | 004 | F01 | 16 | 3. | 3. | 3. | 3. | 7. | 13. | 26. | 26. | 26. | 6. | 6.20 | 4.10 | 2.10 |
| 005 Vicksburg | 003 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 11. | 43. | 43. | 43. | 6. | 10.84 | 3.63 | 2.31 |
| 134 Greenville | 002 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 135 Tupelo | 002 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| **MISSOURI** | | | | | | | | | | | | | | | | |
| 070 St Louis | 001 | P01 | 14 | 3. | 5. | 14. | 28. | 46. | 120. | 270. | 270. | 270. | 52. | 70.37 | 26.49 | 3.48 |
| | 072 | P01 | 16 | 8. | 13. | 16. | 24. | 36. | 120. | 430. | 430. | 430. | 57. | 103.12 | 29.93 | 2.65 |
| 094 Independence | 001 | H01 | 15 | 3. | 5. | 5. | 8. | 9. | 11. | 29. | 29. | 29. | 9. | 6.13 | 7.28 | 1.72 |
| 094 Kansas City | 002 | H01 | 15 | 3. | 5. | 5. | 9. | 12. | 27. | 35. | 35. | 35. | 11. | 9.16 | 8.57 | 2.06 |
| | 018 | H01 | 13 | 3. | 3. | 3. | 3. | 6. | 8. | 9. | 9. | 9. | 4. | 2.60 | 3.78 | 1.74 |
| | 022 | H01 | 15 | 3. | 5. | 5. | 6. | 8. | 20. | 29. | 29. | 29. | 9. | 6.91 | 7.21 | 1.82 |
| 139 Shannon Co | 002 | P03 | 13 | 3. | 3. | 3. | 3. | 5. | 5. | 10. | 10. | 10. | 4. | 2.19 | 3.26 | 1.57 |
| 139 Springfield | 012 | H01 | 13 | 3. | 3. | 3. | 3. | 3. | 3. | 21. | 21. | 21. | 4. | 5.13 | 2.94 | 1.80 |
| | 017 | H01 | 16 | 3. | 3. | 3. | 3. | 3. | 5. | 34. | 34. | 34. | 5. | 7.84 | 3.21 | 1.96 |
| | 020 | H01 | 12 | 3. | 3. | 3. | 3. | 3. | 3. | 8. | 8. | 8. | 3. | 1.59 | 2.75 | 1.40 |
| | 021 | H01 | 15 | 3. | 3. | 3. | 3. | 3. | 35. | 53. | 53. | 53. | 8. | 14.99 | 3.65 | 2.73 |
| **MONTANA** | | | | | | | | | | | | | | | | |
| 140 Billings | 006 | F05 | 10 | 3. | 3. | 20. | 42. | 87. | 136. | 160. | 160. | 160. | 68. | 55.89 | 35.88 | 4.66 |
| 143 Daniels Co | 001 | F03 | 7 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 143 Mc Cone Co | 001 | F03 | 4 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 143 Rosebud Co | 003 | F03 | 1 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| **NEBRASKA** | | | | | | | | | | | | | | | | |
| 085 Bellevue | 002 | F01 | 8 | 3. | 3. | 3. | 10. | 10. | 26. | 26. | 26. | 26. | 11. | 9.26 | 7.73 | 2.63 |
| 085 Omaha | 005 | G01 | 13 | 3. | 3. | 3. | 3. | 3. | 5. | 10. | 10. | 10. | 3. | 2.24 | 3.07 | 1.51 |
| | 019 | G01 | 10 | 3. | 3. | 3. | 3. | 3. | 18. | 24. | 24. | 24. | 8. | 8.56 | 4.82 | 2.67 |
| | 024 | G01 | 12 | 3. | 3. | 3. | 3. | 3. | 10. | 18. | 18. | 18. | 5. | 4.89 | 3.46 | 1.93 |
| | 028 | G01 | 13 | 3. | 3. | 3. | 3. | 3. | 13. | 13. | 13. | 13. | 4. | 3.94 | 3.36 | 1.83 |
| | 033 | G01 | 13 | 3. | 3. | 3. | 3. | 13. | 13. | 18. | 18. | 18. | 7. | 5.74 | 5.46 | 2.31 |
| | 034 | P01 | 13 | 3. | 3. | 3. | 3. | 5. | 37. | 53. | 53. | 53. | 10. | 16.08 | 4.57 | 2.87 |
| 086 South Sioux City | 001 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 145 Lancaster Co | 003 | G01 | 15 | 5. | 5. | 5. | 10. | 10. | 24. | 79. | 79. | 79. | 14. | 18.54 | 9.59 | 2.08 |
| 145 Lincoln | 002 | P01 | 15 | 3. | 3. | 3. | 3. | 3. | 7. | 31. | 31. | 31. | 5. | 7.37 | 3.17 | 1.98 |
| | 004 | G01 | 15 | 5. | 5. | 5. | 10. | 10. | 26. | 52. | 52. | 52. | 13. | 12.81 | 9.99 | 2.04 |
| 146 Fremont | 002 | F01 | 8 | 3. | 3. | 10. | 10. | 10. | 26. | 26. | 26. | 26. | 12. | 8.63 | 9.20 | 2.37 |
| 146 Grand Island | 001 | F01 | 8 | 3. | 3. | 3. | 3. | 24. | 372. | 372. | 372. | 372. | 55. | 128.33 | 10.16 | 5.87 |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **NEBRASKA — Cont.** | | | | | | | | | | | | | | | | |
| 146 North Platte | 001 | F01 | 14 | 3. | 3. | 10. | 10. | 10. | 47. | 47. | 47. | 47. | 17. | 15.47 | 11.21 | 2.66 |
| **NEW HAMPSHIRE** | | | | | | | | | | | | | | | | |
| 107 Berlin | 001 | F01 | 1 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | | | | |
| | 007 | F01 | 15 | 13. | 13. | 13. | 13. | 13. | 44. | 53. | 53. | 53. | 18. | 12.61 | 15.49 | 1.59 |
| 107 Coos Co | 001 | F03 | 14 | 13. | 13. | 13. | 13. | 13. | 41. | 58. | 58. | 58. | 20. | 14.27 | 16.85 | 1.69 |
| 107 Dover | 001 | F01 | 16 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | .00 | 13.00 | 1.00 |
| 107 Northumberland | 002 | F01 | 14 | 13. | 13. | 13. | 13. | 13. | 13. | 55. | 55. | 55. | 16. | 11.22 | 14.41 | 1.47 |
| 121 Allenstown | 001 | F01 | 14 | 13. | 13. | 13. | 13. | 13. | 28. | 36. | 36. | 36. | 17. | 7.74 | 15.60 | 1.44 |
| 121 Concord | 002 | F01 | 16 | 13. | 13. | 13. | 13. | 13. | 34. | 53. | 53. | 53. | 19. | 11.37 | 16.51 | 1.57 |
| 121 Keene | 002 | F01 | 10 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | .00 | 13.00 | 1.00 |
| | 005 | F01 | 16 | 13. | 13. | 13. | 13. | 13. | 13. | 34. | 34. | 34. | 14. | 5.25 | 13.81 | 1.27 |
| 121 Manchester | 009 | F01 | 15 | 13. | 13. | 13. | 13. | 32. | 42. | 46. | 46. | 46. | 23. | 12.99 | 19.65 | 1.71 |
| 121 Nashua | 005 | F01 | 15 | 13. | 13. | 13. | 13. | 13. | 51. | 61. | 61. | 61. | 20. | 15.71 | 16.86 | 1.73 |
| 121 Portsmouth | 005 | F01 | 16 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | .00 | 13.00 | 1.00 |
| | 008 | F01 | 15 | 13. | 13. | 13. | 13. | 13. | 30. | 33. | 33. | 33. | 15. | 6.53 | 14.63 | 1.37 |
| 121 Salem | 002 | F01 | 12 | 13. | 13. | 13. | 13. | 13. | 33. | 75. | 75. | 75. | 21. | 18.48 | 17.53 | 1.78 |
| 149 Plymouth | 001 | F01 | 16 | 13. | 13. | 13. | 13. | 13. | 13. | 45. | 45. | 45. | 15. | 8.00 | 14.05 | 1.36 |
| **NEW MEXICO** | | | | | | | | | | | | | | | | |
| 012 Bayard | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 31. | 63. | 65. | 65. | 65. | 19. | 21.98 | 8.67 | 3.91 |
| 012 Deming | 001 | F02 | 15 | 3. | 3. | 3. | 3. | 13. | 31. | 60. | 60. | 60. | 11. | 16.26 | 5.55 | 3.13 |
| 012 Grant Co | 001 | F02 | 14 | 3. | 3. | 3. | 13. | 34. | 73. | 176. | 176. | 176. | 34. | 47.44 | 13.16 | 4.76 |
| 012 Lordsburg | 001 | F02 | 15 | 3. | 3. | 3. | 16. | 29. | 52. | 63. | 63. | 63. | 21. | 20.46 | 10.93 | 3.60 |
| 012 Silver City | 001 | F01 | 14 | 3. | 3. | 3. | 3. | 21. | 37. | 58. | 58. | 58. | 14. | 17.60 | 6.39 | 3.53 |
| 014 Aztec | 001 | F02 | 11 | 3. | 3. | 3. | 5. | 24. | 50. | 63. | 63. | 63. | 18. | 21.05 | 8.66 | 3.68 |
| 014 Farmington | 001 | F01 | 8 | 3. | 3. | 3. | 3. | 34. | 68. | 68. | 68. | 68. | 23. | 24.13 | 10.29 | 4.40 |
| 014 San Juan Co | 004 | F02 | 10 | 3. | 3. | 3. | 3. | 3. | 31. | 47. | 47. | 47. | 12. | 15.87 | 5.45 | 3.32 |
| | 005 | F02 | 12 | 3. | 3. | 3. | 3. | 3. | 31. | 60. | 60. | 60. | 11. | 17.83 | 4.86 | 3.17 |
| | 014 | F02 | 11 | 3. | 3. | 3. | 18. | 26. | 71. | 100. | 100. | 100. | 28. | 33.16 | 11.77 | 4.54 |
| 153 Dona Ana Co | 001 | F02 | 13 | 3. | 3. | 3. | 3. | 10. | 26. | 71. | 71. | 71. | 11. | 19.18 | 5.43 | 3.05 |
| | 002 | F02 | 16 | 3. | 3. | 3. | 18. | 21. | 73. | 126. | 126. | 126. | 26. | 32.53 | 13.23 | 3.58 |
| | 004 | F02 | 13 | 3. | 3. | 3. | 10. | 16. | 21. | 97. | 97. | 97. | 16. | 25.31 | 7.73 | 3.21 |
| 153 Las Cruces | 001 | F01 | 13 | 3. | 3. | 3. | 3. | 18. | 24. | 26. | 26. | 26. | 9. | 9.72 | 5.67 | 2.82 |
| 154 Raton | 001 | F01 | 9 | 3. | 3. | 3. | 3. | 18. | 37. | 37. | 37. | 37. | 12. | 14.94 | 5.85 | 3.39 |
| 155 Artesia | 001 | F01 | 13 | 3. | 3. | 3. | 3. | 26. | 31. | 42. | 42. | 42. | 12. | 14.32 | 6.38 | 3.31 |
| 155 Hobbs | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 10. | 31. | 34. | 34. | 34. | 10. | 11.70 | 5.42 | 2.88 |
| 155 Lovington | 001 | F02 | 16 | 3. | 3. | 3. | 3. | 18. | 21. | 63. | 63. | 63. | 12. | 15.81 | 5.97 | 3.11 |
| 155 Roswell | 004 | F01 | 13 | 3. | 3. | 3. | 18. | 26. | 42. | 50. | 50. | 50. | 18. | 16.50 | 10.57 | 3.36 |
| 156 Socorro | 002 | F01 | 9 | 3. | 3. | 3. | 3. | 3. | 52. | 52. | 52. | 52. | 12. | 19.34 | 4.94 | 3.52 |
| 157 Santa Fe | 001 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 16. | 16. | 16. | 4. | 3.50 | 2.98 | 1.61 |
| **NORTH CAROLINA** | | | | | | | | | | | | | | | | |
| 136 Burlington | 001 | F02 | 8 | 5. | 5. | 5. | 5. | 5. | 16. | 16. | 16. | 16. | 7. | 3.94 | 6.22 | 1.54 |
| 136 Eden | 002 | F02 | 14 | 5. | 5. | 5. | 5. | 5. | 6. | 6. | 6. | 6. | 5. | .36 | 5.13 | 1.07 |
| 136 Forsyth Co | 001 | G01 | 16 | 5. | 5. | 5. | 5. | 5. | 6. | 6. | 6. | 6. | 5. | .34 | 5.12 | 1.06 |
| 136 Mount Airy | 001 | F02 | 15 | 5. | 5. | 5. | 5. | 19. | 41. | 60. | 60. | 60. | 15. | 16.48 | 9.95 | 2.44 |
| 136 Winston-Salem | 002 | G02 | 16 | 5. | 6. | 11. | 15. | 22. | 58. | 70. | 70. | 70. | 21. | 18.25 | 16.20 | 2.13 |
| | 009 | G02 | 16 | 5. | 5. | 5. | 10. | 11. | 14. | 36. | 36. | 36. | 11. | 7.45 | 9.03 | 1.69 |
| | 012 | G01 | 16 | 5. | 5. | 5. | 5. | 7. | 11. | 19. | 19. | 19. | 7. | 3.77 | 6.27 | 1.49 |
| | 015 | G01 | 16 | 5. | 5. | 5. | 5. | 5. | 9. | 10. | 10. | 10. | 6. | 1.65 | 5.58 | 1.27 |
| 165 Forest City | 001 | F01 | 9 | 5. | 5. | 5. | 5. | 5. | 14. | 14. | 14. | 14. | 7. | 3.76 | 6.23 | 1.55 |
| 165 Marion | 001 | F01 | 13 | 5. | 5. | 5. | 5. | 5. | 6. | 12. | 12. | 12. | 6. | 1.94 | 5.42 | 1.28 |
| 165 Spruce Pine | 001 | F02 | 13 | 5. | 5. | 5. | 5. | 5. | 17. | 27. | 27. | 27. | 8. | 6.70 | 6.25 | 1.74 |
| 166 Chapel Hill | 003 | F01 | 15 | 5. | 5. | 5. | 5. | 5. | 5. | 6. | 6. | 6. | 5. | .26 | 5.06 | 1.05 |
| 166 Raleigh | 003 | F01 | 13 | 5. | 5. | 5. | 5. | 5. | 6. | 6. | 6. | 6. | 5. | .38 | 5.14 | 1.07 |
| 166 Roanoke Rapids | 001 | F02 | 6 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | | | | |
| 166 Roxboro | 001 | F02 | 15 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | .00 | 5.00 | 1.00 |
| 166 Sanford | 001 | F01 | 14 | 5. | 5. | 5. | 5. | 5. | 5. | 36. | 36. | 36. | 7. | 8.29 | 5.76 | 1.69 |
| 167 Charlotte | 001 | G01 | 16 | 5. | 5. | 8. | 11. | 23. | 30. | 32. | 32. | 32. | 15. | 9.60 | 12.16 | 2.01 |
| | 011 | G01 | 16 | 5. | 5. | 5. | 5. | 15. | 26. | 30. | 30. | 30. | 12. | 9.28 | 9.19 | 2.07 |
| | 026 | G02 | 15 | 5. | 5. | 5. | 8. | 8. | 16. | 17. | 17. | 17. | 8. | 4.12 | 7.72 | 1.53 |
| | 028 | G01 | 15 | 5. | 5. | 5. | 6. | 20. | 30. | 40. | 40. | 40. | 13. | 11.46 | 9.56 | 2.19 |
| 167 Davidson | 001 | G01 | 16 | 5. | 5. | 5. | 8. | 18. | 26. | 26. | 26. | 26. | 12. | 8.07 | 9.46 | 1.96 |
| 167 Iredell Co | 001 | F02 | 13 | 5. | 5. | 5. | 5. | 10. | 16. | 23. | 23. | 23. | 8. | 5.59 | 7.07 | 1.69 |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **NORTH CAROLINA—Cont.** | | | | | | | | | | | | | | | | |
| 167 Kannapolis | 004 | F02 | 14 | 5. | 5. | 5. | 5. | 8. | 15. | 56. | 56. | 56. | 11. | 13.51 | 7.62 | 2.01 |
| 167 Mecklenburg Co | 001 | G01 | 16 | 5. | 5. | 5. | 5. | 6. | 12. | 21. | 21. | 21. | 7. | 4.37 | 6.48 | 1.55 |
| | 003 | G01 | 15 | 5. | 5. | 5. | 7. | 9. | 13. | 14. | 14. | 14. | 8. | 3.07 | 7.03 | 1.46 |
| | 006 | G02 | 5 | 5. | 5. | 5. | 8. | 15. | 24. | 24. | 24. | 24. | | | | |
| 169 Fayetteville | 002 | F01 | 14 | 5. | 5. | 5. | 5. | 5. | 5. | 6. | 6. | 6. | 5. | .27 | 5.07 | 1.05 |
| 169 Lumberton | 002 | F01 | 15 | 5. | 5. | 5. | 5. | 5. | 5. | 18. | 18. | 18. | 6. | 3.36 | 5.45 | 1.39 |
| 169 Rockingham | 002 | F01 | 15 | 5. | 5. | 5. | 5. | 5. | 5. | 6. | 6. | 6. | 5. | .26 | 5.06 | 1.05 |
| 170 Columbus Co | 002 | F02 | 15 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | .00 | 5.00 | 1.00 |
| 170 Goldsboro | 002 | F01 | 14 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | .00 | 5.00 | 1.00 |
| 170 New Bern | 001 | F01 | 14 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | .00 | 5.00 | 1.00 |
| 170 Wilmington | 002 | F01 | 16 | 5. | 5. | 5. | 5. | 8. | 14. | 14. | 14. | 14. | 7. | 3.18 | 6.48 | 1.47 |
| 171 Asheville | 003 | I01 | 15 | 5. | 5. | 5. | 5. | 5. | 65. | 89. | 89. | 89. | 15. | 25.74 | 7.19 | 2.61 |
| | 004 | I02 | 16 | 5. | 5. | 5. | 5. | 5. | 63. | 104. | 104. | 104. | 15. | 27.84 | 7.08 | 2.60 |
| | 005 | I01 | 15 | 5. | 5. | 5. | 5. | 5. | 74. | 91. | 91. | 91. | 15. | 27.46 | 7.26 | 2.68 |
| 171 Buncombe Co | 021 | I01 | 13 | 5. | 5. | 5. | 5. | 5. | 5. | 83. | 83. | 83. | 11. | 21.63 | 6.21 | 2.18 |
| 171 Canton | 002 | I02 | 16 | 5. | 5. | 5. | 5. | 5. | 101. | 102. | 102. | 102. | 26. | 38.03 | 10.13 | 3.56 |
| 171 Haywood Co | 006 | I02 | 16 | 5. | 5. | 5. | 5. | 5. | 5. | 63. | 63. | 63. | 9. | 14.50 | 5.86 | 1.88 |
| 171 Hendersonville | 003 | F02 | 13 | 5. | 5. | 5. | 5. | 11. | 21. | 29. | 29. | 29. | 10. | 7.78 | 7.85 | 1.89 |
| 171 Jackson Co | 002 | F02 | 14 | 5. | 5. | 5. | 5. | 5. | 7. | 9. | 9. | 9. | 5. | 1.16 | 5.34 | 1.19 |
| **NORTH DAKOTA** | | | | | | | | | | | | | | | | |
| 130 Fargo | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.52 | 1.00 |
| 172 Bismarck | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.52 | 1.00 |
| | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.52 | 1.00 |
| 172 Burleigh Co | 001 | F03 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.52 | 1.00 |
| 172 Dunn Co | 002 | F03 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.52 | 1.00 |
| 172 Grant Co | 001 | F03 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.52 | 1.00 |
| 172 Hettinger Co | 001 | F03 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.52 | 1.00 |
| 172 Mc Kenzie Co | 001 | F03 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.52 | 1.00 |
| 172 Mc Lean Co | 002 | F03 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.52 | 1.00 |
| 172 Mandan | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.52 | 1.00 |
| 172 Mercer Co | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.52 | 1.00 |
| | 002 | F03 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.52 | 1.00 |
| 172 Oliver Co | 001 | F03 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.52 | 1.00 |
| 172 Stark Co | 001 | F03 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.52 | 1.00 |
| **OHIO** | | | | | | | | | | | | | | | | |
| 173 Kettering | 002 | G01 | 4 | 9. | 9. | 11. | 11. | 28. | 29. | 29. | 29. | 29. | | | | |
| **OKLAHOMA** | | | | | | | | | | | | | | | | |
| 017 Poteau | 462 | F01 | 8 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 184 Edmond | 016 | F02 | 14 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | .00 | 5.00 | 1.00 |
| 184 Midwest City | 006 | F01 | 15 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | .00 | 5.00 | 1.00 |
| 184 Oklahoma City | 001 | F02 | 15 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | .00 | 5.00 | 1.00 |
| | 002 | F02 | 15 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | .00 | 5.00 | 1.00 |
| | 015 | F02 | 8 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | .00 | 5.00 | 1.00 |
| | 018 | F02 | 13 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | .00 | 5.00 | 1.00 |
| | 021 | F03 | 15 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | .00 | 5.00 | 1.00 |
| 185 Blackwell | 599 | F01 | 12 | 3. | 3. | 3. | 3. | 3. | 3. | 30. | 30. | 30. | 5. | 7.94 | 3.08 | 2.05 |
| 186 Bartlesville | 216 | F01 | 12 | 3. | 3. | 3. | 3. | 3. | 13. | 14. | 14. | 14. | 4. | 4.29 | 3.31 | 1.93 |
| 186 Dewey | 219 | F01 | 13 | 3. | 3. | 3. | 3. | 3. | 3. | 23. | 23. | 23. | 4. | 5.69 | 2.97 | 1.85 |
| 186 Muskogee | 166 | F01 | 13 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 186 Pryor | 181 | F02 | 14 | 3. | 3. | 3. | 3. | 3. | 18. | 53. | 53. | 53. | 7. | 13.81 | 3.58 | 2.55 |
| 186 Rogers Co | 194 | F01 | 11 | 3. | 3. | 3. | 3. | 3. | 3. | 23. | 23. | 23. | 4. | 6.18 | 3.06 | 1.95 |
| 186 Tulsa | 112 | F01 | 13 | 3. | 3 | 3. | 3. | 3. | 8. | 22. | 22. | 22. | 4. | 5.47 | 3.24 | 1.94 |
| | 131 | F01 | 13 | 3. | 3. | 3. | 3. | 3. | 3. | 8. | 8. | 8. | 3. | 1.55 | 2.74 | 1.39 |
| 186 Wagoner Co | 165 | F01 | 11 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 187 Clinton | 851 | F01 | 13 | 3. | 3. | 3. | 3. | 3. | 17. | 19. | 19. | 19. | 5. | 5.84 | 3.39 | 2.10 |
| 188 Seminole Co | 331 | F01 | 12 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 188 Wynnewood | 272 | F01 | 10 | 3. | 3. | 3. | 3. | 3. | 3. | 23. | 23. | 23. | 5. | 6.48 | 3.12 | 2.02 |
| 189 Duncan | 661 | F01 | 9 | 3. | 3. | 3. | 3. | 3. | 21. | 21. | 21. | 21. | 5. | 6.21 | 3.60 | 2.15 |
| 189 Lawton | 646 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 18. | 20. | 20. | 20. | 5. | 6.00 | 3.34 | 2.09 |
| | 650 | F01 | 11 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |

# SULFUR DIOXIDE, micrograms per cubic meter (25 C)
# GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **OREGON** | | | | | | | | | | | | | | | | |
| 190 Klamath Falls | 001 | F01 | 15 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | .00 | 13.10 | 1.00 |
| 191 Pendleton | 001 | F01 | 15 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | .00 | 13.10 | 1.00 |
| 192 Astoria | 002 | F01 | 13 | 13. | 13. | 13. | 13. | 13. | 27. | 29. | 29. | 29. | 15. | 5.61 | 14.72 | 1.33 |
| 193 Corvallis | 001 | F01 | 13 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | .00 | 13.10 | 1.00 |
| 193 Eugene | 007 | F01 | 16 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | .00 | 13.10 | 1.00 |
| 193 Portland | 001 | P01 | 16 | 3. | 3. | 6. | 9. | 13. | 23. | 23. | 23. | 23. | 10. | 6.47 | 7.93 | 2.16 |
| 193 Salem | 016 | F01 | 15 | 13. | 13. | 13. | 13. | 16. | 41. | 43. | 43. | 43. | 19. | 10.13 | 17.06 | 1.52 |
| 194 Medford | 001 | F01 | 15 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | .00 | 13.10 | 1.00 |
| **RHODE ISLAND** | | | | | | | | | | | | | | | | |
| 120 Cranston | 001 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 11. | 16. | 16. | 16. | 4. | 4.11 | 3.17 | 1.84 |
| 120 East Providence | 001 | F01 | 12 | 3. | 3. | 3. | 3. | 3. | 16. | 22. | 22. | 22. | 6. | 6.57 | 3.89 | 2.28 |
| | 007 | F01 | 14 | 3. | 3. | 3. | 3. | 14. | 23. | 37. | 37. | 37. | 11. | 11.26 | 6.05 | 2.99 |
| 120 Newport | 001 | F01 | 13 | 3. | 3. | 3. | 3. | 20. | 29. | 48. | 48. | 48. | 12. | 14.29 | 6.02 | 3.26 |
| 120 Pawtucket | 002 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 7. | 7. | 7. | 3. | 1.20 | 2.69 | 1.32 |
| 120 Providence | 007 | F01 | 14 | 3. | 3. | 3. | 19. | 32. | 56. | 61. | 61. | 61. | 24. | 20.93 | 13.14 | 3.79 |
| | 008 | F01 | 13 | 3. | 3. | 3. | 3. | 18. | 28. | 32. | 32. | 32. | 10. | 11.26 | 5.72 | 3.05 |
| 120 Tiverton | 001 | F01 | 10 | 3. | 3. | 3. | 3. | 3. | 3. | 15. | 15. | 15. | 4. | 3.95 | 2.99 | 1.76 |
| 120 Washington Co | 002 | F03 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 120 Westerly | 002 | F01 | 13 | 3. | 3. | 3. | 3. | 3. | 15. | 17. | 17. | 17. | 5. | 5.66 | 3.80 | 2.21 |
| 120 Woonsocket | 001 | F01 | 12 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| **SOUTH CAROLINA** | | | | | | | | | | | | | | | | |
| 053 Aiken | 001 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 49. | 49. | 49. | 49. | | | | |
| 053 Aiken Co | 001 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 11. | 11. | 11. | 11. | | | | |
| 053 North Augusta | 001 | F01 | 5 | 3. | 3. | 3. | 9. | 14. | 15. | 15. | 15. | 15. | | | | |
| 053 Orangeburg | 001 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 167 Lancaster | 001 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 167 Rock Hill | 001 | F01 | 5 | 3. | 3. | 3. | 12. | 12. | 18. | 18. | 18. | 18. | | | | |
| | 002 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 12. | 12. | 12. | 12. | | | | |
| 167 York Co | 001 | F03 | 5 | 3. | 3. | 3. | 3. | 3. | 12. | 12. | 12. | 12. | | | | |
| 198 Camden | 001 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 198 Sumter | 001 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| | 003 | F01 | 5 | 3. | 3. | 3. | 3. | 11. | 16. | 16. | 16. | 16. | | | | |
| 199 Berkeley Co | 001 | F01 | 4 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 199 Charleston | 001 | G01 | 3 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 199 Charleston Co | 003 | F02 | 4 | 3. | 3. | 3. | 3. | 3. | 21. | 21. | 21. | 21. | | | | |
| | 037 | F01 | 4 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| | 038 | F01 | 4 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 199 Goose Creek | 001 | F01 | 3 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 199 Mount Pleasant | 001 | F01 | 4 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 200 Columbia | 003 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| | 006 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 200 Newberry | 001 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 200 Richland Co | 002 | F03 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 200 West Columbia | 001 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 201 Florence | 001 | F01 | 4 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 202 Anderson | 001 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 202 Greenville | 001 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 7. | 7. | 7. | 7. | | | | |
| | 002 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 9. | 9. | 9. | 9. | | | | |
| 202 Greenville Co | 003 | F03 | 1 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 202 Greer | 002 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 16. | 16. | 16. | 16. | | | | |
| 202 Pickens | 001 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 202 Simpsonville | 001 | F01 | 5 | 3. | 3. | 3. | 3. | 7. | 9. | 9. | 9. | 9. | | | | |
| 202 Spartanburg | 001 | F01 | 2 | 3. | 3. | 3. | 3. | 10. | 10. | 10. | 10. | 10. | | | | |
| | 006 | F01 | 4 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 202 Spartanburg Co | 004 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 202 Woodruff | 001 | F01 | 4 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 203 Greenwood | 001 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 203 Laurens | 001 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 204 Conway | 006 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 14. | 14. | 14. | 14. | | | | |
| 204 Georgetown | 001 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 11. | 11. | 11. | 11. | | | | |
| | 006 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 13. | 13. | 13. | 13. | | | | |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **SOUTH DAKOTA** | | | | | | | | | | | | | | | | |
| 087 Sioux Falls | 002 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 205 Rapid City | 001 | F01 | 4 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| | 002 | F01 | 4 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 206 Harding Co | 001 | F03 | 2 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 206 Pierre | 001 | F01 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| **TENNESSEE** | | | | | | | | | | | | | | | | |
| 007 Marion Co | 001 | F01 | 4 | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 5. | | | | |
| 007 Tullahoma | 002 | F01 | 6 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 018 Memphis | 018 | G01 | 16 | 3. | 3. | 21. | 27. | 43. | 51. | 128. | 128. | 128. | 33. | 29.47 | 22.42 | 2.85 |
| | 021 | G01 | 15 | 3. | 3. | 14. | 21. | 31. | 44. | 55. | 55. | 55. | 23. | 15.88 | 16.12 | 2.85 |
| | 022 | G01 | 16 | 3. | 3. | 9. | 13. | 23. | 37. | 46. | 46. | 46. | 17. | 12.90 | 12.40 | 2.56 |
| | 023 | G01 | 16 | 3. | 5. | 14. | 19. | 31. | 46. | 117. | 117. | 117. | 28. | 27.16 | 19.35 | 2.57 |
| 018 Shelby Co | 002 | G01 | 16 | 3. | 3. | 13. | 18. | 38. | 62. | 72. | 72. | 72. | 26. | 22.54 | 16.40 | 3.08 |
| 055 Chattanooga | 024 | G01 | 15 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | .00 | 13.00 | 1.00 |
| 207 Clinton | 002 | F01 | 7 | 3. | 3. | 3. | 5. | 10. | 50. | 50. | 50. | 50. | 13. | 17.08 | 6.94 | 3.09 |
| 207 Johnson City | 002 | F01 | 14 | 3. | 3. | 3. | 3. | 5. | 8. | 8. | 8. | 8. | 4. | 1.99 | 3.56 | 1.56 |
| 207 Knox Co | 012 | G01 | 7 | 3. | 3. | 3. | 3. | 5. | 13. | 13. | 13. | 13. | 5. | 4.04 | 4.12 | 1.98 |
| | 014 | G03 | 12 | 3. | 3. | 3. | 3. | 3. | 5. | 10. | 10. | 10. | 3. | 2.22 | 2.97 | 1.54 |
| | 019 | G01 | 13 | 3. | 3. | 3. | 3. | 6. | 10. | 19. | 19. | 19. | 5. | 4.95 | 3.84 | 2.03 |
| 207 Knoxville | 003 | G01 | 16 | 3. | 3. | 6. | 9. | 11. | 21. | 23. | 23. | 23. | 9. | 5.91 | 7.76 | 1.99 |
| | 005 | G01 | 15 | 3. | 3. | 3. | 7. | 12. | 18. | 18. | 18. | 18. | 9. | 5.97 | 6.72 | 2.22 |
| | 006 | G01 | 15 | 3. | 3. | 3. | 3. | 6. | 12. | 13. | 13. | 13. | 5. | 3.63 | 4.25 | 1.89 |
| | 007 | G01 | 13 | 3. | 3. | 3. | 3. | 3. | 13. | 20. | 20. | 20. | 5. | 5.44 | 3.60 | 2.07 |
| | 008 | G01 | 9 | 3. | 3. | 3. | 3. | 3. | 6. | 6. | 6. | 6. | 3. | 1.35 | 2.98 | 1.42 |
| 207 Morristown | 002 | F01 | 15 | 3. | 3. | 5. | 5. | 10. | 47. | 58. | 58. | 58. | 13. | 16.73 | 7.56 | 2.69 |
| 207 Rockwood | 002 | F01 | 10 | 3. | 3. | 3. | 5. | 16. | 31. | 37. | 37. | 37. | 14. | 13.63 | 7.95 | 3.09 |
| 208 Columbia | 002 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 3. | .70 | 2.75 | 1.20 |
| 208 Humphreys Co | 014 | F02 | 13 | 3. | 5. | 8. | 26. | 45. | 92. | 139. | 139. | 139. | 38. | 40.03 | 21.31 | 3.33 |
| 208 Maury Co | 001 | J02 | 14 | 3. | 3. | 3. | 8. | 20. | 61. | 110. | 110. | 110. | 21. | 30.21 | 9.65 | 3.74 |
| | 006 | J02 | 15 | 3. | 3. | 3. | 9. | 17. | 102. | 110. | 110. | 110. | 23. | 34.90 | 9.90 | 3.80 |
| 208 Nashville | 002 | G01 | 16 | 3. | 3. | 3. | 3. | 3. | 6. | 11. | 11. | 11. | 3. | 2.27 | 3.03 | 1.55 |
| | 004 | G01 | 16 | 3. | 3. | 3. | 3. | 3. | 6. | 8. | 8. | 8. | 3. | 1.69 | 3.10 | 1.49 |
| | 006 | G01 | 16 | 3. | 3. | 3. | 3. | 7. | 13. | 14. | 14. | 14. | 5. | 4.19 | 3.88 | 2.00 |
| | 011 | G01 | 16 | 3. | 3. | 3. | 3. | 3. | 18. | 62. | 62. | 62. | 8. | 15.03 | 3.81 | 2.50 |
| | 012 | G01 | 15 | 3. | 3. | 3. | 3. | 3. | 10. | 11. | 11. | 11. | 4. | 2.82 | 3.32 | 1.69 |
| | 015 | G01 | 16 | 3. | 3. | 3. | 3. | 5. | 19. | 20. | 20. | 20. | 5. | 5.81 | 3.90 | 2.12 |
| | 016 | G01 | 16 | 3. | 3. | 3. | 3. | 3. | 6. | 21. | 21. | 21. | 4. | 4.65 | 3.02 | 1.75 |
| | 017 | G01 | 16 | 3. | 3. | 3. | 3. | 3. | 16. | 23. | 23. | 23. | 5. | 5.92 | 3.37 | 2.02 |
| | 018 | G01 | 5 | 3. | 3. | 3. | 3. | 3. | 10. | 10. | 10. | 10. | | | | |
| | 019 | G03 | 15 | 3. | 3. | 3. | 3. | 3. | 7. | 8. | 8. | 8. | 3. | 1.82 | 3.03 | 1.50 |
| | 020 | G01 | 15 | 3. | 3. | 3. | 3. | 3. | 5. | 9. | 9. | 9. | 3. | 1.75 | 2.85 | 1.44 |
| | 023 | G01 | 16 | 3. | 3. | 3. | 3. | 3. | 12. | 19. | 19. | 19. | 5. | 4.99 | 3.68 | 2.05 |
| | 024 | G01 | 16 | 3. | 3. | 3. | 3. | 3. | 11. | 13. | 13. | 13. | 4. | 3.30 | 3.21 | 1.75 |
| | 025 | G01 | 11 | 3. | 3. | 3. | 3. | 5. | 12. | 17. | 17. | 17. | 5. | 4.90 | 4.01 | 2.06 |
| 208 Sumner Co | 007 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 8. | 10. | 10. | 10. | 4. | 2.43 | 3.13 | 1.58 |
| 209 Camden | 001 | F01 | 13 | 3. | 3. | 3. | 3. | 3. | 47. | 60. | 60. | 60. | 11. | 19.27 | 4.78 | 3.25 |
| **VIRGINIA** | | | | | | | | | | | | | | | | |
| 047 Alexandria | 013 | G01 | 16 | 5. | 15. | 19. | 21. | 30. | 36. | 49. | 49. | 49. | 24. | 10.14 | 21.70 | 1.65 |
| 047 Arlington Co | 003 | G02 | 11 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 9. | 11.01 | 4.91 | 2.93 |
| | 019 | G01 | 10 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 047 Bailey*s Crossroads | 007 | G01 | 16 | 17. | 19. | 23. | 26. | 30. | 37. | 49. | 49. | 49. | 28. | 8.29 | 26.94 | 1.33 |
| 047 Fairfax Co | 005 | G01 | 16 | 5. | 8. | 11. | 15. | 18. | 25. | 26. | 26. | 26. | 16. | 6.32 | 14.50 | 1.57 |
| | 015 | G01 | 16 | 15. | 18. | 19. | 22. | 28. | 38. | 45. | 45. | 45. | 25. | 8.65 | 23.91 | 1.37 |
| 047 Falls Church | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 6. | 8.30 | 3.56 | 2.25 |
| 047 Fort Belvoir | 001 | G01 | 15 | 5. | 14. | 21. | 25. | 34. | 37. | 40. | 40. | 40. | 25. | 9.70 | 22.60 | 1.69 |
| 047 Leesburg | 003 | G01 | 10 | 3. | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 5. | 7.46 | 3.30 | 2.07 |
| 047 Manassas | 001 | F01 | 13 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 047 Reston | 001 | G01 | 16 | 5. | 8. | 18. | 19. | 26. | 32. | 38. | 38. | 38. | 22. | 8.79 | 19.38 | 1.68 |
| 047 Springfield | 002 | G01 | 15 | 8. | 19. | 24. | 26. | 30. | 38. | 49. | 49. | 49. | 28. | 9.32 | 25.81 | 1.50 |
| 047 Vienna | 002 | G01 | 16 | 5. | 5. | 11. | 18. | 21. | 24. | 27. | 27. | 27. | 16. | 7.13 | 14.26 | 1.74 |
| 047 West Springfield | 001 | G01 | 16 | 5. | 11. | 18. | 21. | 29. | 33. | 36. | 36. | 36. | 22. | 8.36 | 20.27 | 1.63 |
| 047 Woodbridge-Marumsco | 001 | F01 | 8 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 207 Bluefield | 005 | F02 | 12 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 7. | 9.18 | 3.85 | 2.45 |
| 207 Buchanan Co | 002 | F02 | 2 | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 26. | | | | |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **VIRGINIA — Cont.** | | | | | | | | | | | | | | | | |
| 207 Galax | 006 | F02 | 13 | 3. | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 4. | 6.54 | 3.13 | 1.89 |
| 207 Norton | 001 | F01 | 9 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 207 Richlands | 001 | F02 | 11 | 3. | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 5. | 7.11 | 3.23 | 2.00 |
| 207 Russell Co | 001 | F02 | 11 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 207 Wise Co | 003 | F02 | 13 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 222 Appomattox Co | 002 | F02 | 13 | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 26. | 10. | 11.33 | 5.32 | 3.02 |
| 222 Bedford | 001 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 6. | 8.56 | 3.64 | 2.31 |
| 222 Bedford Co | 003 | F03 | 11 | 3. | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 5. | 7.11 | 3.23 | 2.00 |
| 222 Buckingham Co | 009 | F02 | 11 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 9. | 11.01 | 4.91 | 2.93 |
| 222 Danville | 006 | F02 | 14 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 6. | 8.56 | 3.64 | 2.31 |
| | 007 | F02 | 10 | 3. | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 5. | 7.46 | 3.30 | 2.07 |
| 222 Henry Co | 003 | F02 | 13 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 222 Lynchburg | 003 | F01 | 13 | 3. | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 4. | 6.54 | 3.13 | 1.89 |
| 222 Martinsville | 005 | F01 | 13 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 222 South Hill | 001 | F01 | 13 | 3. | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 4. | 6.54 | 3.13 | 1.89 |
| 223 Chesapeake | 001 | F02 | 15 | 3. | 3. | 3. | 26. | 26. | 26. | 52. | 52. | 52. | 17. | 15.34 | 9.37 | 3.48 |
| | 005 | F02 | 14 | 3. | 3. | 3. | 26. | 52. | 105. | 105. | 105. | 105. | 35. | 35.30 | 16.28 | 4.41 |
| 223 Franklin | 003 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 223 Newport News | 004 | F01 | 14 | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 26. | 13. | 12.11 | 7.03 | 3.26 |
| 223 Norfolk | 007 | F01 | 15 | 3. | 3. | 3. | 26. | 52. | 52. | 52. | 52. | 52. | 27. | 21.05 | 15.32 | 3.76 |
| | 014 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 6. | 8.30 | 3.56 | 2.25 |
| | 015 | F01 | 15 | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 26. | 26. | 18. | 11.51 | 12.16 | 3.08 |
| 223 Portsmouth | 005 | F01 | 15 | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 26. | 14. | 12.18 | 7.67 | 3.28 |
| 223 Suffolk | 003 | F02 | 14 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 8. | 10.04 | 4.29 | 2.67 |
| 223 Virginia Beach | 005 | F02 | 15 | 3. | 3. | 3. | 3. | 3. | 26. | 52. | 52. | 52. | 11. | 15.07 | 5.07 | 3.14 |
| 224 Fredericksburg | 002 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 4. | 6.30 | 3.09 | 1.85 |
| 225 Charlottesville | 002 | F01 | 13 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 225 Chesterfield Co | 003 | F01 | 16 | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 26. | 11. | 11.79 | 6.21 | 3.16 |
| 225 Henrico Co | 002 | F01 | 15 | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 26. | 10. | 11.51 | 5.64 | 3.08 |
| | 007 | F02 | 16 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 7. | 9.51 | 4.03 | 2.53 |
| | 008 | F02 | 15 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 7. | 9.76 | 4.15 | 2.59 |
| | 011 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 225 Hopewell | 002 | F02 | 16 | 3. | 3. | 3. | 26. | 26. | 52. | 52. | 52. | 52. | 19. | 17.27 | 10.43 | 3.59 |
| 225 Petersburg | 002 | F01 | 16 | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 26. | 10. | 11.29 | 5.38 | 3.01 |
| 225 Prince George Co | 001 | F02 | 15 | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 26. | 10. | 11.51 | 5.64 | 3.08 |
| 225 Richmond | 002 | H01 | 91 | 3. | 13. | 24. | 31. | 37. | 45. | 55. | 94. | 94. | 32. | 16.27 | 27.04 | 1.95 |
| | 013 | H01 | 16 | 5. | 10. | 24. | 26. | 34. | 47. | 65. | 65. | 65. | 28. | 14.39 | 24.57 | 1.82 |
| | 014 | H01 | 15 | 16. | 24. | 34. | 37. | 39. | 45. | 55. | 55. | 55. | 36. | 9.63 | 34.40 | 1.36 |
| | 016 | H01 | 16 | 8. | 10. | 16. | 29. | 37. | 45. | 50. | 50. | 50. | 28. | 13.04 | 24.53 | 1.74 |
| | 019 | H01 | 16 | 8. | 8. | 18. | 24. | 29. | 37. | 45. | 45. | 45. | 24. | 10.19 | 21.84 | 1.66 |
| 226 Covington | 005 | F02 | 15 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 9. | 10.79 | 4.84 | 2.87 |
| 226 Front Royal | 004 | F02 | 13 | 3. | 3. | 3. | 26. | 52. | 79. | 105. | 105. | 105. | 35. | 31.87 | 18.33 | 4.13 |
| 226 Pulaski | 007 | F02 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 226 Salem | 001 | G01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| | 003 | G01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 226 Vinton | 003 | G01 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.62 | 1.00 |
| 226 Waynesboro | 001 | F02 | 14 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 6. | 8.56 | 3.64 | 2.31 |
| 226 Winchester | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 3. | 26. | 26. | 26. | 26. | 6. | 8.30 | 3.56 | 2.25 |
| **WASHINGTON** | | | | | | | | | | | | | | | | |
| 062 Clarkston | 001 | F01 | 8 | 41. | 41. | 43. | 45. | 48. | 51. | 51. | 51. | 51. | 46. | 3.74 | 45.87 | 1.08 |
| 062 Spokane | 001 | P01 | 18 | 3. | 3. | 10. | 11. | 13. | 13. | 16. | 16. | 16. | 10. | 4.13 | 8.91 | 1.85 |
| 193 Longview | 002 | I01 | 16 | 39. | 39. | 46. | 52. | 56. | 58. | 60. | 60. | 60. | 51. | 6.76 | 50.62 | 1.15 |
| 227 Colville | 001 | F05 | 10 | 32. | 32. | 37. | 38. | 39. | 39. | 51. | 51. | 51. | 39. | 4.88 | 38.35 | 1.12 |
| 228 Port Angeles | 006 | I01 | 16 | 49. | 49. | 52. | 54. | 56. | 62. | 64. | 64. | 64. | 55. | 4.17 | 54.54 | 1.08 |
| 228 Whatcom Co | 001 | I03 | 16 | 39. | 42. | 42. | 45. | 46. | 52. | 53. | 53. | 53. | 45. | 4.00 | 45.03 | 1.09 |
| 229 Seattle | 001 | P01 | 16 | 3. | 8. | 11. | 13. | 17. | 28. | 45. | 45. | 45. | 16. | 9.83 | 13.12 | 1.87 |
| 229 Tacoma | 001 | P01 | 16 | 3. | 6. | 8. | 12. | 13. | 15. | 16. | 16. | 16. | 11. | 3.64 | 9.95 | 1.60 |
| 230 Yakima | 002 | I01 | 15 | 40. | 41. | 42. | 44. | 46. | 46. | 49. | 49. | 49. | 44. | 2.62 | 44.13 | 1.06 |
| **WEST VIRGINIA** | | | | | | | | | | | | | | | | |
| 103 Huntington | 003 | F01 | 10 | 3. | 3. | 3. | 13. | 18. | 21. | 29. | 29. | 29. | 13. | 8.85 | 9.46 | 2.61 |
| 113 Mineral Co | 004 | F01 | 4 | 3. | 3. | 3. | 3. | 11. | 13. | 13. | 13. | 13. | | | | |
| | 005 | F01 | 7 | 8. | 8. | 18. | 21. | 37. | 60. | 60. | 60. | 60. | 30. | 19.38 | 24.55 | 2.04 |
| | 006 | F05 | 5 | 3. | 3. | 3. | 11. | 16. | 34. | 34. | 34. | 34. | 13. | 12.98 | 8.21 | 3.19 |
| 179 Parkersburg | 003 | F01 | 13 | 3. | 8. | 11. | 16. | 29. | 34. | 55. | 55. | 55. | 21. | 14.31 | 16.13 | 2.25 |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **WEST VIRGINIA—Cont.** | | | | | | | | | | | | | | | | |
| 181 Follansbee | 004 | F02 | 16 | 23. | 33. | 45. | 62. | 74. | 102. | 109. | 109. | 109. | 63. | 23.89 | 58.48 | 1.52 |
| 181 Hancock Co | 005 | F02 | 16 | 8. | 9. | 34. | 65. | 106. | 273. | 301. | 301. | 301. | 98. | 90.42 | 61.78 | 2.96 |
| | 006 | F02 | 16 | 3. | 3. | 20. | 44. | 94. | 117. | 144. | 144. | 144. | 58. | 45.21 | 33.81 | 3.78 |
| 181 Moundsville | 001 | F02 | 16 | 3. | 3. | 20. | 46. | 67. | 93. | 142. | 142. | 142. | 48. | 39.69 | 25.61 | 4.32 |
| 181 Weirton | 003 | F02 | 13 | 13. | 21. | 49. | 86. | 122. | 140. | 229. | 229. | 229. | 90. | 57.85 | 71.12 | 2.21 |
| 181 Wellsburg | 003 | F01 | 13 | 38. | 40. | 68. | 82. | 90. | 108. | 142. | 142. | 142. | 80. | 28.47 | 75.62 | 1.46 |
| 181 Wheeling | 004 | H01 | 12 | 6. | 6. | 8. | 9. | 10. | 31. | 41. | 41. | 41. | 13. | 11.06 | 10.79 | 1.85 |
| 232 Weston | 001 | F01 | 16 | 3. | 3. | 3. | 8. | 13. | 16. | 16. | 16. | 16. | 8. | 5.65 | 6.18 | 2.32 |
| 233 Martinsburg | 001 | F01 | 4 | 13. | 13. | 13. | 13. | 21. | 29. | 29. | 29. | 29. | | | | |
| 234 Charleston | 007 | F02 | 16 | 8. | 11. | 29. | 34. | 50. | 76. | 217. | 217. | 217. | 49. | 48.84 | 36.25 | 2.20 |
| 234 Kanawha Co | 002 | F02 | 15 | 13. | 16. | 18. | 26. | 39. | 68. | 73. | 73. | 73. | 32. | 18.62 | 27.66 | 1.73 |
| 234 Nitro | 001 | F02 | 16 | 3. | 3. | 13. | 21. | 26. | 52. | 131. | 131. | 131. | 27. | 30.61 | 16.75 | 3.01 |
| 234 Putnam Co | 003 | F02 | 16 | 3. | 11. | 16. | 18. | 50. | 73. | 107. | 107. | 107. | 34. | 27.84 | 24.56 | 2.52 |
| 234 South Charleston | 005 | F02 | 14 | 11. | 11. | 21. | 26. | 47. | 94. | 97. | 97. | 97. | 42. | 31.23 | 32.67 | 2.12 |
| 235 Fairmont | 002 | F02 | 16 | 3. | 3. | 3. | 11. | 45. | 50. | 92. | 92. | 92. | 23. | 26.07 | 11.07 | 3.85 |
| 235 Harrison Co | 001 | F01 | 13 | 3. | 3. | 3. | 8. | 16. | 24. | 24. | 24. | 24. | 10. | 8.66 | 6.69 | 2.70 |
| 235 Morgantown | 001 | F01 | 15 | 3. | 3. | 3. | 8. | 11. | 34. | 47. | 47. | 47. | 12. | 13.37 | 6.82 | 2.92 |
| | 002 | F01 | 15 | 3. | 3. | 16. | 24. | 26. | 37. | 66. | 66. | 66. | 24. | 16.11 | 17.46 | 2.55 |
| 236 Beckley | 001 | F01 | 10 | 3. | 3. | 3. | 3. | 3. | 3. | 31. | 31. | 31. | 5. | 9.01 | 3.22 | 2.22 |
| **WISCONSIN** | | | | | | | | | | | | | | | | |
| 073 Beloit | 004 | F01 | 13 | 12. | 12. | 12. | 12. | 12. | 27. | 28. | 28. | 28. | 14. | 5.82 | 13.63 | 1.37 |
| 129 Ashland | 003 | F01 | 12 | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | .00 | 12.00 | 1.00 |
| 129 Superior | 006 | F02 | 9 | 12. | 12. | 12. | 12. | 12. | 25. | 25. | 25. | 25. | 13. | 4.33 | 13.02 | 1.28 |
| 237 De Pere | 001 | F01 | 15 | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | .00 | 12.00 | 1.00 |
| 237 Green Bay | 001 | F01 | 5 | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | .00 | 12.00 | 1.00 |
| | 002 | F01 | 22 | 12. | 12. | 12. | 12. | 28. | 57. | 81. | 102. | 102. | 26. | 24.66 | 19.12 | 2.02 |
| | 009 | F01 | 27 | 12. | 12. | 12. | 12. | 12. | 41. | 48. | 132. | 132. | 21. | 24.30 | 16.48 | 1.84 |
| 237 Menasha | 006 | F01 | 8 | 12. | 12. | 12. | 12. | 12. | 65. | 65. | 65. | 65. | 23. | 20.31 | 17.39 | 2.00 |
| 237 Oshkosh | 005 | F01 | 16 | 12. | 12. | 12. | 12. | 12. | 12. | 25. | 25. | 25. | 13. | 3.25 | 12.56 | 1.20 |
| | 006 | F01 | 15 | 12. | 12. | 12. | 12. | 12. | 28. | 29. | 29. | 29. | 14. | 5.81 | 13.47 | 1.36 |
| 238 Marathon Co | 001 | F02 | 16 | 12. | 12. | 42. | 78. | 242. | 418. | 445. | 445. | 445. | 158. | 160.18 | 78.56 | 3.92 |
| 238 Rhinelander | 001 | F01 | 16 | 12. | 12. | 12. | 12. | 12. | 36. | 98. | 98. | 98. | 21. | 21.92 | 16.26 | 1.83 |
| 238 Stevens Point | 002 | F01 | 12 | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | .00 | 12.00 | 1.00 |
| 238 Wausau | 002 | F01 | 16 | 12. | 12. | 12. | 12. | 86. | 90. | 93. | 93. | 93. | 43. | 34.86 | 29.01 | 2.56 |
| | 003 | F01 | 16 | 12. | 12. | 26. | 33. | 90. | 100. | 104. | 104. | 104. | 52. | 35.76 | 39.66 | 2.22 |
| | 004 | F01 | 16 | 12. | 12. | 12. | 39. | 79. | 91. | 199. | 199. | 199. | 51. | 49.18 | 33.72 | 2.56 |
| 238 Wood Co | 001 | F02 | 12 | 12 | 12. | 12. | 12. | 12. | 12. | 228. | 228. | 228. | 30. | 62.35 | 15.34 | 2.34 |
| 239 Kenosha | 003 | F01 | 14 | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12 | 12. | .00 | 12.00 | 1.00 |
| 239 Racine | 002 | F01 | 16 | 12. | 12. | 12. | 12. | 12. | 12. | 28. | 28. | 28. | 13. | .00 | 12.65 | 1.24 |
| 240 Madison | 002 | F02 | 5 | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | .00 | 12.00 | 1.00 |
| | 005 | F01 | 11 | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | .00 | 12.00 | 1.00 |
| | 008 | F02 | 10 | 12. | 12. | 12. | 12. | 12. | 12. | 106. | 106. | 106. | 21. | 29.73 | 14.92 | 1.99 |
| | 009 | F01 | 4 | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | 12. | | | | |
| **WYOMING** | | | | | | | | | | | | | | | | |
| 241 Casper | 001 | F01 | 13 | 3. | 3. | 3. | 3. | 8. | 15. | 23. | 23. | 23. | 6. | 6.58 | 4.20 | 2.31 |
| 241 Converse Co | 004 | F03 | 13 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 242 Cheyenne | 001 | F01 | 15 | 3. | 3. | 3. | 3. | 8. | 13. | 21. | 21. | 21. | 6. | 5.69 | 4.19 | 2.20 |
| 242 Goshen Co | 001 | F03 | 9 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |
| 242 Platte Co | 001 | F03 | 14 | 3. | 3. | 3. | 3. | 3. | 3. | 6. | 6. | 6. | 3. | .94 | 2.66 | 1.26 |
| 243 Rock Springs | 001 | F01 | 14 | 3. | 3. | 3. | 3. | 3. | 6. | 6. | 6. | 6. | 3. | 1.27 | 2.83 | 1.37 |
| 243 Weston Co | 001 | F03 | 15 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.50 | 1.00 |

## SULFUR DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER PARAROSANILINE-SULFAMIC ACID, 3 hours

1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **KENTUCKY** | | | | | | | | | | | | | | | | |
| 072 Paducah | 001 | F01 | 110 | 3. | 3. | 3. | 3. | 3. | 13. | 31. | 113. | 121. | | | | |
| 072 Todd Co | 003 | F02 | 4 | 3. | 3. | 3. | 3. | 3. | 37. | 37. | 37. | 37. | | | | |
| 077 Beaver Dam | 001 | F02 | 118 | 3. | 3. | 3. | 3. | 3. | 13. | 34. | 173. | 176. | | | | |
| 077 Henderson Co | 006 | F02 | 104 | 3. | 3. | 3. | 3. | 3. | 18. | 31. | 68. | 97. | | | | |
| 077 Ohio Co | 027 | F02 | 104 | 3. | 3. | 3. | 3. | 3. | 13. | 37. | 89. | 128. | | | | |
| 077 Owensboro | 005 | F01 | 104 | 3. | 3. | 3. | 3. | 10. | 37. | 55. | 89. | 123. | | | | |
| | 006 | F01 | 128 | 3. | 3. | 3. | 3. | 18. | 58. | 81. | 115. | 165. | | | | |
| 077 Webster Co | 001 | F02 | 94 | 3. | 3. | 3. | 3. | 10. | 24. | 42. | 157. | 157. | | | | |
| 079 Carroll Co | 001 | F03 | 112 | 3. | 3. | 3. | 3. | 3. | 45. | 92. | 157. | 181. | | | | |
| 079 Covington | 007 | F01 | 112 | 3. | 3. | 3. | 13. | 26. | 58. | 89. | 157. | 181. | | | | |
| 079 Fort Thomas | 001 | F01 | 128 | 3. | 3. | 3. | 3. | 3. | 13. | 21. | 68. | 73. | | | | |
| 102 Clark Co | 001 | F02 | 88 | 3. | 3. | 3. | 3. | 10. | 126. | 160. | 707. | 707. | | | | |
| 102 Lexington | 004 | F01 | 100 | 3. | 3. | 3. | 3. | 5. | 16. | 21. | 76. | 126. | | | | |
| 103 Ashland | 003 | F01 | 109 | 3. | 3. | 3. | 3. | 3. | 18. | 26. | 79. | 121. | | | | |
| | 007 | F01 | 88 | 3. | 3. | 3. | 3. | 3. | 8. | 24. | 39. | 39. | | | | |
| 104 Oldham Co | 003 | F03 | 101 | 3. | 3. | 3. | 3. | 3. | 16. | 60. | 118. | 128. | | | | |
| 104 Trimble Co | 001 | F03 | 79 | 3. | 3. | 3. | 3. | 3. | 31. | 92. | 123. | 123. | | | | |
| | 002 | F03 | 122 | 3. | 3. | 3. | 3. | 13. | 37. | 63. | 215. | 262. | | | | |

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## NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL COLORIMETRIC-LYSHKOW (MOD), 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **ALASKA** | | | | | | | | | | | | | | | | |
| 009 Fairbanks Ed | 001 | G01 | 720 | 9. | 41. | 60. | 88. | 162. | 320. | 427. | 857. | 901. | | | | |
| **COLORADO** | | | | | | | | | | | | | | | | |
| 036 Denver | 002 | F01 | 1292 | 9. | 45. | 68. | 85. | 105. | 135. | 152. | 207. | 320. | | | | |
| **MAINE** | | | | | | | | | | | | | | | | |
| 109 Bangor | 001 | F01 | 1854 | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 25. | 9. | .80 | 9.44 | 1.06 |
| **MARYLAND** | | | | | | | | | | | | | | | | |
| 047 Bethesda | 005 | F01 | 1559 | 9. | 9. | 9. | 19. | 38. | 113. | 132. | 169. | 395. | | | | |
| 047 Cheverly | 004 | F01 | 1202 | 9. | 9. | 19. | 38. | 56. | 75. | 113. | 188. | 470. | | | | |
| 047 Silver Spring | 006 | F01 | 850 | 9. | 9. | 19. | 75. | 113. | 150. | 169. | 244. | 508. | | | | |
| 047 Suitland-Silver Hill | 001 | F01 | 930 | 9. | 9. | 9. | 9. | 9. | 19. | 75. | 132. | 282. | | | | |
| 115 Baltimore | 018 | F01 | 907 | 9. | 19. | 38. | 75. | 94. | 169. | 188. | 244. | 282. | | | | |
| | 019 | F01 | 623 | 9. | 9. | 38. | 56. | 94. | 169. | 207. | 263. | 602. | | | | |
| **MISSOURI** | | | | | | | | | | | | | | | | |
| 070 Afton | 001 | G01 | 73 | 9. | 23. | 51. | 77. | 94. | 111. | 118. | 124. | 124. | | | | |
| 070 Bellefontaine Neighbors | 002 | G01 | 141 | 9. | 9. | 26. | 34. | 38. | 49. | 55. | 92. | 107. | | | | |
| 070 Clayton | 001 | G01 | 168 | 9. | 28. | 38. | 47. | 62. | 102. | 118. | 132. | 132. | | | | |
| 070 St Ann | 001 | G01 | 160 | 9. | 9. | 9. | 19. | 36. | 81. | 152. | 261. | 901. | | | | |
| 070 St Louis Co | 006 | G01 | 85 | 9. | 9. | 9. | 9. | 34. | 70. | 94. | 128. | 128. | | | | |
| **MONTANA** | | | | | | | | | | | | | | | | |
| 140 Billings | 053 | F01 | 484 | 9. | 9. | 9. | 9. | 9. | 9. | 9. | 85. | 122. | | | | |
| **SOUTH CAROLINA** | | | | | | | | | | | | | | | | |
| 200 Richland Co | 003 | F01 | 280 | 9. | 9. | 30. | 40. | 60. | 100. | 120. | 195. | 210. | | | | |

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## NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL COLORIMETRIC-GRIESS-SALTZMAN, 1 hour

1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **OREGON** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 193 Portland | 002 | F01 | 630 | 9. | 56. | 75. | 94. | 113. | 113. | 132. | 150. | 188. |  |  |  |  |
| **PENNSYLVANIA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 045 Philadelphia | 004 | H01 | 603 | 9. | 38. | 75. | 94. | 113. | 169. | 188. | 226. | 357. |  |  |  |  |
|  | 026 | H01 | 1327 | 9. | 38. | 75. | 94. | 113. | 150. | 188. | 263. | 320. |  |  |  |  |

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# NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
# INSTRUMENTAL COULOMETRIC, 1 hour

## 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **KANSAS** | | | | | | | | | | | | | | | | |
| 094 Kansas City | 001 | H01 | 2040 | 9. | 9. | 30. | 40. | 50. | 90. | 100. | 140. | 210. | 45. | 29.43 | 35.83 | 2.00 |
| 095 Lawrence | 003 | F01 | 1431 | 9. | 9. | 9. | 9. | 9. | 9. | 20. | 40. | 60. | | | | |
| **WEST VIRGINIA** | | | | | | | | | | | | | | | | |
| 181 Wheeling | 006 | H01 | 1318 | 9. | 9. | 9. | 19. | 19. | 38. | 56. | 75. | 94. | | | | |

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## NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL CHEMILUMINESCENCE, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **ALABAMA** | | | | | | | | | | | | | | | | |
| 007 Huntsville | 014 | H01 | 2124 | 5. | 5. | 5. | 13. | 23. | 66. | 113. | 173. | 254. | 26. | 35.19 | 14.26 | 2.80 |
| **ARIZONA** | | | | | | | | | | | | | | | | |
| 015 Phoenix | 002 | G01 | 1372 | 5. | 19. | 38. | 56. | 75. | 113. | 132. | 169. | 301. | | | | |
| 015 Scottsdale | 003 | G01 | 642 | 19. | 38. | 56. | 75. | 94. | 132. | 150. | 169. | 244. | | | | |
| **COLORADO** | | | | | | | | | | | | | | | | |
| 036 Denver | 002 | F01 | 480 | 23. | 51. | 71. | 83. | 102. | 126. | 141. | 165. | 188. | | | | |
| 036 Welby | 001 | F01 | 1964 | 5. | 5. | 9. | 19. | 49. | 83. | 96. | 164. | 267. | 35. | 36.10 | 19.91 | 3.04 |
| 038 Colorado Springs | 004 | F01 | 82 | 5. | 19. | 19. | 38. | 38. | 75. | 75. | 94. | 94. | | | | |
| **DISTRICT OF COLUMBIA** | | | | | | | | | | | | | | | | |
| 047 Washington | 008 | I01 | 1956 | 5. | 19. | 38. | 47. | 75. | 113. | 132. | 169. | 338. | 58. | 38.53 | 46.71 | 2.03 |
| | 017 | I01 | 1658 | 5. | 19. | 38. | 56. | 66. | 94. | 122. | 179. | 235. | 57. | 32.43 | 48.95 | 1.81 |
| | 018 | I01 | 943 | 9. | 9. | 19. | 38. | 56. | 103. | 141. | 282. | 376. | | | | |
| **FLORIDA** | | | | | | | | | | | | | | | | |
| 049 Jacksonville | 070 | H01 | 2010 | 5. | 5. | 5. | 5. | 9. | 19. | 28. | 47. | 94. | 9. | 9.77 | 6.81 | 1.86 |
| 050 Lauderdale Lakes | 001 | G03 | 1956 | 5. | 5. | 19. | 38. | 56. | 75. | 94. | 113. | 132. | 43. | 25.64 | 32.95 | 2.28 |
| 050 Miami | 002 | G01 | 1711 | 5. | 9. | 19. | 28. | 47. | 66. | 85. | 103. | 141. | 36. | 23.43 | 27.86 | 2.20 |
| 050 West Palm Beach | 001 | G01 | 296 | 19. | 19. | 19. | 19. | 38. | 38. | 38. | 75. | 94. | | | | |
| 052 Clearwater | 003 | G01 | 1487 | 5. | 5. | 9. | 9. | 19. | 38. | 47. | 75. | 113. | | | | |
| 052 St Petersburg | 018 | H01 | 1881 | 5. | 9. | 19. | 28. | 47. | 75. | 94. | 141. | 197. | 36. | 28.68 | 25.84 | 2.36 |
| 052 Tarpon Springs | 002 | G03 | 850 | 5. | 5. | 9. | 9. | 19. | 28. | 28. | 38. | 56. | | | | |
| **ILLINOIS** | | | | | | | | | | | | | | | | |
| 067 Chicago | 033 | F01 | 2053 | 15. | 43. | 64. | 83. | 109. | 173. | 241. | 455. | 1365. | 103. | 85.22 | 85.23 | 1.80 |
| | 040 | F01 | 2128 | 9. | 60. | 94. | 118. | 150. | 229. | 273. | 365. | 955. | 134. | 71.98 | 117.60 | 1.68 |
| 067 Joliet | 005 | F01 | 1691 | 5. | 24. | 43. | 58. | 77. | 117. | 139. | 220. | 464. | 67. | 44.58 | 56.00 | 1.88 |
| 070 East St Louis | 009 | F01 | 2129 | 5. | 19. | 34. | 49. | 71. | 111. | 132. | 182. | 530. | 59. | 39.59 | 46.94 | 2.04 |
| 075 Springfield | 003 | F01 | 2065 | 5. | 17. | 28. | 39. | 53. | 77. | 92. | 130. | 842. | 45. | 31.19 | 37.46 | 1.83 |
| **KENTUCKY** | | | | | | | | | | | | | | | | |
| 072 Paducah | 020 | F01 | 1889 | 5. | 19. | 34. | 43. | 56. | 90. | 113. | 160. | 209. | 50. | 30.61 | 41.93 | 1.85 |
| 077 Henderson | 008 | F01 | 1804 | 5. | 9. | 21. | 32. | 47. | 81. | 103. | 139. | 184. | 39. | 29.96 | 28.80 | 2.34 |
| 077 Owensboro | 008 | F01 | 2104 | 5. | 28. | 45. | 60. | 77. | 107. | 124. | 154. | 192. | 65. | 31.46 | 57.11 | 1.68 |
| 078 Louisville | 034 | G01 | 965 | 5. | 28. | 38. | 56. | 75. | 113. | 132. | 169. | 244. | | | | |
| 079 Florence | 002 | F05 | 436 | 9. | 19. | 28. | 38. | 47. | 66. | 85. | 150. | 179. | | | | |
| 079 Newport | 001 | F01 | 1477 | 5. | 38. | 56. | 75. | 94. | 118. | 132. | 160. | 222. | | | | |
| 102 Lexington | 002 | F01 | 2124 | 5. | 11. | 19. | 26. | 38. | 71. | 86. | 122. | 156. | 34. | 25.55 | 26.60 | 2.02 |
| 103 Ashland | 008 | F01 | 2102 | 9. | 19. | 34. | 43. | 66. | 103. | 122. | 194. | 368. | 56. | 38.19 | 45.95 | 1.88 |
| **MASSACHUSETTS** | | | | | | | | | | | | | | | | |
| 042 Springfield | 005 | F01 | 1282 | 5. | 47. | 75. | 94. | 103. | 141. | 150. | 254. | 1880. | | | | |
| 118 Worchester | 012 | F01 | 1048 | 5. | 56. | 75. | 75. | 94. | 113. | 132. | 169. | 226. | | | | |
| 119 Boston | 016 | F01 | 1835 | 5. | 28. | 38. | 56. | 75. | 109. | 122. | 160. | 199. | 63. | 33.07 | 54.40 | 1.77 |
| 121 Lowell | 004 | F01 | 2134 | 5. | 13. | 19. | 38. | 49. | 75. | 85. | 102. | 132. | 39. | 23.40 | 31.18 | 2.04 |
| **MISSISSIPPI** | | | | | | | | | | | | | | | | |
| 005 Jackson | 010 | F01 | 2156 | 9. | 9. | 14. | 19. | 33. | 80. | 103. | 141. | 169. | 33. | 31.39 | 23.17 | 2.26 |
| **MISSOURI** | | | | | | | | | | | | | | | | |
| 094 North Kansas City | 004 | F01 | 1644 | 5. | 5. | 5. | 9. | 19. | 66. | 122. | 263. | 376. | 27. | 47.59 | 12.53 | 3.05 |

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## NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
## INSTRUMENTAL CHEMILUMINESCENCE, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **NORTH DAKOTA** | | | | | | | | | | | | | | | | |
| 172 Burleigh Co | 001 | F03 | 1408 | 5. | 5. | 5. | 5. | 5. | 19. | 19. | 38. | 56. | | | | |
| 172 Oliver Co | 001 | F03 | 1915 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 19. | 169. | 5. | 5.23 | 5.00 | 1.36 |
| **OKLAHOMA** | | | | | | | | | | | | | | | | |
| 184 Oklahoma City | 033 | F01 | 1765 | 10. | 29. | 49. | 58. | 78. | 97. | 107. | 142. | 156. | 63. | 26.25 | 57.23 | 1.58 |
| **OREGON** | | | | | | | | | | | | | | | | |
| 193 Portland | 002 | F01 | 1370 | 5. | 19. | 56. | 75. | 94. | 132. | 169. | 244. | 320. | | | | |
| **PENNSYLVANIA** | | | | | | | | | | | | | | | | |
| 045 Philadelphia | 004 | H01 | 1254 | 5. | 38. | 56. | 75. | 94. | 113. | 132. | 188. | 244. | | | | |
| | 023 | H01 | 1501 | 5. | 38. | 56. | 75. | 94. | 132. | 150. | 188. | 263. | | | | |
| | 026 | H01 | 708 | 38. | 75. | 94. | 113. | 132. | 169. | 188. | 263. | 282. | | | | |
| | 029 | H01 | 2096 | 5. | 19. | 38. | 56. | 75. | 113. | 113. | 150. | 244. | 63. | 34.64 | 51.23 | 2.06 |
| **RHODE ISLAND** | | | | | | | | | | | | | | | | |
| 120 Providence | 011 | F01 | 1376 | 9. | 19. | 38. | 47. | 56. | 75. | 94. | 113. | 179. | | | | |
| **TENNESSEE** | | | | | | | | | | | | | | | | |
| 055 Chattanooga | 024 | G01 | 735 | 5. | 5. | 14. | 31. | 49. | 80. | 98. | 146. | 247. | | | | |
| **TEXAS** | | | | | | | | | | | | | | | | |
| 106 Nederland | 003 | F01 | 1560 | 5. | 5. | 5. | 5. | 19. | 38. | 56. | 75. | 188. | | | | |
| 106 West Orange | 001 | F01 | 1836 | 5. | 5. | 5. | 19. | 19. | 56. | 56. | 94. | 132. | 21. | 20.15 | 13.68 | 2.61 |
| 153 El Paso | 027 | F01 | 2027 | 5. | 19. | 38. | 38. | 56. | 94. | 113. | 150. | 226. | 50. | 31.47 | 38.39 | 2.30 |
| | 028 | F01 | 1889 | 5. | 5. | 5. | 19. | 38. | 75. | 94. | 132. | 188. | 30. | 29.67 | 17.16 | 3.00 |
| 212 Austin | 012 | F01 | 2004 | 5. | 5. | 5. | 19. | 19. | 38. | 56. | 94. | 150. | 19. | 19.20 | 12.96 | 2.47 |
| | 013 | F01 | 1606 | 5. | 5. | 19. | 19. | 19. | 38. | 56. | 113. | 301. | | | | |
| 214 Corpus Christi | 019 | F01 | 1909 | 5. | 5. | 5. | 19. | 19. | 38. | 56. | 75. | 132. | 18. | 17.87 | 11.47 | 2.48 |
| 215 Dallas | 045 | F01 | 1701 | 5. | 5. | 19. | 19. | 38. | 75. | 94. | 113. | 132. | 32. | 24.32 | 23.85 | 2.18 |
| | 047 | F01 | 924 | 5. | 19. | 38. | 38. | 56. | 94. | 113. | 132. | 188. | | | | |
| 215 Fort Worth | 002 | F01 | 1829 | 5. | 5. | 19. | 19. | 19. | 56. | 75. | 132. | 207. | 26. | 25.26 | 17.08 | 2.57 |
| | 003 | F01 | 1123 | 5. | 19. | 19. | 38. | 56. | 75. | 94. | 169. | 338. | | | | |
| 216 Clute City | 003 | F01 | 1886 | 5. | 5. | 19. | 19. | 38. | 56. | 75. | 94. | 169. | 26. | 21.19 | 19.08 | 2.33 |
| 216 Harris Co | 024 | F01 | 1697 | 5. | 5. | 19. | 38. | 38. | 75. | 94. | 150. | 188. | 36. | 29.54 | 24.94 | 2.61 |
| 216 Houston | 034 | F01 | 1323 | 5. | 19. | 38. | 56. | 75. | 94. | 113. | 132. | 226. | | | | |
| 216 Texas City | 002 | F01 | 1507 | 5. | 19. | 19. | 19. | 38. | 56. | 75. | 94. | 132. | | | | |
| 217 San Antonio | 036 | F01 | 1323 | 5. | 5. | 19. | 19. | 19. | 56. | 75. | 113. | 169. | | | | |
| | 041 | F01 | 1736 | 5. | 19. | 19. | 38. | 38. | 75. | 113. | 132. | 188. | 41. | 30.17 | 30.65 | 2.24 |
| 218 Odessa | 002 | F01 | 2045 | 5. | 5. | 5. | 5. | 19. | 38. | 56. | 75. | 113. | 16. | 17.08 | 10.20 | 2.51 |
| **VIRGINIA** | | | | | | | | | | | | | | | | |
| 047 Alexandria | 009 | H01 | 2151 | 9. | 19. | 28. | 38. | 56. | 75. | 85. | 103. | 122. | 44. | 21.24 | 38.50 | 1.73 |
| 047 Fairfax | 005 | G01 | 2122 | 5. | 10. | 20. | 30. | 40. | 65. | 95. | 130. | 180. | 34. | 26.00 | 27.02 | 2.02 |
| 047 Fairfax Co | 014 | G01 | 1781 | 5. | 20. | 30. | 45. | 65. | 115. | 160. | 355. | 640. | 62. | 62.05 | 45.94 | 2.13 |
| 047 Mc Lean | 001 | G01 | 1726 | 5. | 20. | 40. | 55. | 75. | 120. | 140. | 190. | 290. | 62. | 40.19 | 49.86 | 2.01 |
| 047 Seven Corners | 004 | G01 | 2124 | 5. | 15. | 30. | 40. | 45. | 85. | 105. | 150. | 265. | 45. | 30.86 | 36.43 | 1.98 |
| **WYOMING** | | | | | | | | | | | | | | | | |
| 241 Converse Co | 006 | F03 | 2143 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 19. | 5. | .53 | 4.71 | 1.05 |
| 243 Sweetwater Co | 016 | F03 | 2096 | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 75. | 94. | 7. | 11.16 | 5.23 | 1.65 |

## NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER NASN SODIUM ARSENITE - ORIFICE, 24 hours

**1977 Second Quarter**

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ALABAMA** | | | | | | | | | | | | | | | | |
| 004 Birmingham | 005 | G02 | 29 | 23. | 28. | 56. | 68. | 81. | 102. | 120. | 128. | 128. | 68. | 26.30 | 62.74 | 1.55 |
| | 012 | G01 | 55 | 30. | 51. | 60. | 71. | 90. | 135. | 145. | 184. | 184. | 81. | 33.14 | 74.93 | 1.49 |
| 004 Fairfield | 003 | G02 | 44 | 21. | 26. | 49. | 58. | 73. | 107. | 122. | 141. | 141. | 64. | 28.64 | 58.03 | 1.60 |
| 007 Athens | 003 | G01 | 14 | 6. | 21. | 26. | 30. | 34. | 41. | 64. | 64. | 64. | 31. | 12.98 | 28.03 | 1.72 |
| 007 Decatur | 001 | G01 | 14 | 17. | 19. | 28. | 28. | 39. | 49. | 85. | 85. | 85. | 36. | 17.20 | 32.71 | 1.52 |
| | 005 | G01 | 15 | 6. | 15. | 24. | 34. | 39. | 58. | 58. | 58. | 58. | 33. | 15.15 | 28.39 | 1.84 |
| 007 Hartselle | 001 | G01 | 14 | 3. | 11. | 15. | 19. | 23. | 51. | 66. | 66. | 66. | 25. | 17.18 | 19.63 | 2.19 |
| 007 Huntsville | 014 | H01 | 12 | 9. | 17. | 23. | 39. | 43. | 60. | 64. | 64. | 64. | 36. | 17.29 | 31.90 | 1.77 |
| 007 Limestone Co | 001 | G02 | 14 | 6. | 8. | 9. | 11. | 15. | 24. | 26. | 26. | 26. | 13. | 6.63 | 12.07 | 1.61 |
| 007 Morgan Co | 001 | G01 | 14 | 3. | 8. | 11. | 11. | 13. | 32. | 56. | 56. | 56. | 16. | 13.46 | 12.64 | 2.02 |
| **ALASKA** | | | | | | | | | | | | | | | | |
| 009 Fairbanks | 001 | P01 | 13 | 38. | 42. | 50. | 54. | 62. | 71. | 80. | 80. | 80. | 56. | 11.75 | 55.12 | 1.23 |
| **ARKANSAS** | | | | | | | | | | | | | | | | |
| 016 England | 001 | F05 | 10 | 3. | 3. | 11. | 12. | 12. | 13. | 22. | 22. | 22. | 11. | 4.99 | 10.20 | 1.78 |
| 016 Jefferson Co | 001 | F05 | 10 | 7. | 7. | 11. | 14. | 19. | 23. | 31. | 31. | 31. | 17. | 7.08 | 15.39 | 1.54 |
| | 002 | F05 | 16 | 3. | 5. | 6. | 9. | 13. | 22. | 24. | 24. | 24. | 11. | 6.23 | 9.45 | 1.81 |
| | 003 | F05 | 6 | 5. | 5. | 6. | 9. | 34. | 38. | 38. | 38. | 38. | 17. | 14.83 | 12.45 | 2.35 |
| 016 Little Rock | 001 | F01 | 7 | 24. | 24. | 36. | 46. | 51. | 64. | 64. | 64. | 64. | 44. | 14.32 | 41.86 | 1.42 |
| | 003 | F01 | 14 | 6. | 10. | 22. | 24. | 32. | 42. | 45. | 45. | 45. | 26. | 12.04 | 22.65 | 1.78 |
| 016 Pine Bluff | 005 | F01 | 12 | 6. | 9. | 15. | 17. | 24. | 28. | 49. | 49. | 49. | 20. | 11.33 | 17.01 | 1.74 |
| 017 Fort Smith | 008 | F01 | 16 | 18. | 21. | 25. | 29. | 32. | 45. | 50. | 50. | 50. | 31. | 8.71 | 29.92 | 1.31 |
| 018 Earle | 001 | F01 | 15 | 13. | 15. | 18. | 18. | 25. | 42. | 42. | 42. | 42. | 24. | 9.72 | 22.16 | 1.45 |
| 018 West Memphis | 001 | F01 | 14 | 19. | 22. | 23. | 29. | 48. | 78. | 93. | 93. | 93. | 41. | 23.42 | 35.48 | 1.68 |
| | 002 | F01 | 16 | 10. | 15. | 20. | 28. | 43. | 78. | 80. | 80. | 80. | 35. | 21.03 | 29.56 | 1.81 |
| 019 El Dorado | 002 | F01 | 16 | 5. | 11. | 26. | 34. | 42. | 54. | 60. | 60. | 60. | 34. | 15.01 | 29.50 | 1.88 |
| 020 Blytheville | 001 | F01 | 15 | 16. | 17. | 21. | 23. | 28. | 46. | 82. | 82. | 82. | 29. | 17.35 | 26.32 | 1.58 |
| 021 Harrison | 001 | F01 | 16 | 12. | 17. | 20. | 27. | 33. | 35. | 38. | 38. | 38. | 26. | 7.65 | 25.13 | 1.39 |
| 022 Texarkana | 002 | F01 | 16 | 3. | 8. | 27. | 28. | 38. | 50. | 53. | 53. | 53. | 31. | 14.03 | 25.98 | 2.15 |
| **COLORADO** | | | | | | | | | | | | | | | | |
| 036 Denver | 001 | P01 | 3 | 319. | 319. | 319. | 488. | 694. | 694. | 694. | 694. | 694. | | | | |
| | 002 | P01 | 3 | 585. | 585. | 585. | 760. | 771. | 771. | 771. | 771. | 771. | | | | |
| **CONNECTICUT** | | | | | | | | | | | | | | | | |
| 041 Groton | 123 | F01 | 16 | 27. | 30. | 37. | 46. | 58. | 73. | 75. | 75. | 75. | 49. | 14.75 | 47.20 | 1.36 |
| 041 Norwich | 001 | F01 | 16 | 30. | 35. | 42. | 50. | 56. | 60. | 108. | 108. | 108. | 51. | 17.26 | 49.13 | 1.33 |
| 042 Bristol | 001 | F01 | 16 | 28. | 32. | 41. | 53. | 59. | 62. | 66. | 66. | 66. | 50. | 12.56 | 48.31 | 1.32 |
| 042 Derby | 123 | F01 | 16 | 32. | 33. | 45. | 54. | 65. | 92. | 96. | 96. | 96. | 57. | 19.60 | 53.52 | 1.41 |
| 042 East Hartford | 002 | F01 | 16 | 8. | 33. | 44. | 46. | 56. | 95. | 130. | 130. | 130. | 54. | 27.43 | 47.48 | 1.80 |
| 042 Enfield | 123 | F01 | 16 | 18. | 33. | 40. | 43. | 54. | 58. | 69. | 69. | 69. | 45. | 11.93 | 43.59 | 1.36 |
| 042 Hartford | 002 | F01 | 15 | 18. | 32. | 44. | 54. | 62. | 76. | 85. | 85. | 85. | 54. | 17.12 | 51.18 | 1.47 |
| | 123 | F01 | 16 | 30. | 31. | 46. | 57. | 79. | 110. | 452. | 452. | 452. | 85. | 100.54 | 63.73 | 1.91 |
| 042 Meriden | 002 | F01 | 16 | 9. | 9. | 21. | 34. | 46. | 66. | 72. | 72. | 72. | 36. | 19.72 | 30.22 | 1.93 |
| 042 New Britain | 123 | F01 | 16 | 5. | 33. | 45. | 48. | 58. | 74. | 77. | 77. | 77. | 49. | 16.70 | 44.15 | 1.86 |
| 042 New Haven | 001 | F01 | 16 | 42. | 47. | 62. | 72. | 94. | 110. | 139. | 139. | 139. | 78. | 26.36 | 74.09 | 1.40 |
| | 123 | F01 | 16 | 54. | 56. | 76. | 82. | 88. | 111. | 197. | 197. | 197. | 87. | 33.06 | 83.06 | 1.36 |
| 042 Waterbury | 123 | F01 | 16 | 32. | 50. | 62. | 74. | 87. | 112. | 118. | 118. | 118. | 75. | 23.01 | 71.75 | 1.40 |
| 043 Bridgeport | 001 | F01 | 13 | 48. | 51. | 71. | 102. | 117. | 149. | 153. | 153. | 153. | 97. | 34.89 | 90.55 | 1.48 |
| | 123 | F01 | 16 | 42. | 47. | 56. | 74. | 102. | 113. | 160. | 160. | 160. | 80. | 31.29 | 74.83 | 1.45 |
| 043 Danbury | 123 | F01 | 16 | 31. | 41. | 47. | 52. | 59. | 71. | 77. | 77. | 77. | 54. | 12.10 | 52.89 | 1.26 |
| 043 Greenwich | 001 | F01 | 5 | 43. | 43. | 45. | 50. | 105. | 175. | 175. | 175. | 175. | | | | |
| | 004 | F01 | 15 | 10. | 13. | 20. | 41. | 52. | 76. | 84. | 84. | 84. | 41. | 24.17 | 33.22 | 1.99 |
| 043 Norwalk | 005 | F01 | 13 | 45. | 50. | 56. | 86. | 106. | 116. | 141. | 141. | 141. | 86. | 29.61 | 80.80 | 1.45 |
| 043 Stamford | 007 | F01 | 16 | 45. | 45. | 53. | 56. | 79. | 95. | 106. | 106. | 106. | 65. | 18.95 | 62.93 | 1.31 |
| | 123 | F01 | 16 | 15. | 40. | 64. | 73. | 95. | 110. | 115. | 115. | 115. | 75. | 27.14 | 68.09 | 1.65 |
| 043 Stratford | 005 | F01 | 13 | 8. | 9. | 52. | 60. | 69. | 128. | 142. | 142. | 142. | 65. | 37.99 | 51.17 | 2.36 |
| 044 Torrington | 123 | F01 | 16 | 32. | 41. | 43. | 45. | 54. | 67. | 91. | 91. | 91. | 50. | 13.58 | 48.47 | 1.27 |
| **FLORIDA** | | | | | | | | | | | | | | | | |
| 048 Brevard Co | 004 | F02 | 16 | 3. | 8. | 9. | 12. | 16. | 20. | 45. | 45. | 45. | 14. | 9.34 | 12.15 | 1.82 |

## NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER NASN SODIUM ARSENITE - ORIFICE, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **FLORIDA — Cont.** | | | | | | | | | | | | | | | | |
| | 005 | J02 | 25 | 3. | 3. | 3. | 3. | 3. | 15. | 20. | 22. | 22. | 5. | 5.83 | 3.75 | 2.14 |
| | 006 | J02 | 27 | 3. | 3. | 3. | 3. | 3. | 3. | 6. | 8. | 8. | 3. | 1.26 | 2.70 | 1.32 |
| 048 Seminole Co | 001 | J02 | 16 | 8. | 10. | 15. | 16. | 20. | 24. | 24. | 24. | 24. | 17. | 4.33 | 16.04 | 1.33 |
| 048 Volusia Co | 001 | J02 | 16 | 3. | 3. | 3. | 7. | 11. | 20. | 33. | 33. | 33. | 9. | 7.86 | 6.67 | 2.24 |
| 049 Alachua Co | 009 | G01 | 6 | 3. | 3. | 6. | 8. | 19. | 20. | 20. | 20. | 20. | 11. | 7.14 | 8.62 | 2.17 |
| 049 Gainesville | 005 | G01 | 4 | 10. | 10. | 23. | 23. | 28. | 29. | 29. | 29. | 29. | | | | |
| | 008 | G01 | 7 | 7. | 7. | 16. | 19. | 19. | 35. | 35. | 35. | 35. | 18. | 8.98 | 16.12 | 1.68 |
| | 010 | G02 | 4 | 18. | 18. | 19. | 19. | 22. | 22. | 22. | 22. | 22. | | | | |
| | 013 | G01 | 10 | 5. | 5. | 11. | 13. | 17. | 30. | 35. | 35. | 35. | 17. | 10.01 | 14.93 | 1.81 |
| | 015 | G03 | 8 | 3. | 3. | 10. | 12. | 14. | 20. | 20. | 20. | 20. | 11. | 5.93 | 8.78 | 2.23 |
| 049 Jacksonville | 004 | H02 | 6 | 32. | 32. | 36. | 37. | 41. | 59. | 59. | 59. | 59. | 41. | 9.44 | 40.21 | 1.23 |
| | 017 | H01 | 8 | 30. | 30. | 32. | 37. | 38. | 45. | 45. | 45. | 45. | 36. | 4.93 | 36.09 | 1.14 |
| | 031 | H01 | 7 | 11. | 11. | 14. | 15. | 18. | 159. | 159. | 159. | 159. | 37. | 54.02 | 22.34 | 2.51 |
| | 032 | H01 | 7 | 33. | 33. | 41. | 44. | 44. | 62. | 62. | 62. | 62. | 45. | 9.70 | 44.15 | 1.23 |
| | 033 | H01 | 7 | 19. | 19. | 41. | 47. | 49. | 67. | 67. | 67. | 67. | 45. | 15.49 | 42.24 | 1.51 |
| | 038 | H01 | 6 | 18. | 18. | 28. | 31. | 52. | 55. | 55. | 55. | 55. | 36. | 14.46 | 33.56 | 1.52 |
| | 039 | H01 | 7 | 3. | 3. | 29. | 31. | 48. | 60. | 60. | 60. | 60. | 35. | 19.78 | 26.09 | 2.97 |
| | 040 | H01 | 7 | 22. | 22. | 26. | 34. | 38. | 42. | 42. | 42. | 42. | 32. | 8.04 | 31.54 | 1.29 |
| | 045 | H02 | 8 | 21. | 21. | 22. | 22. | 23. | 37. | 37. | 37. | 37. | 24. | 5.32 | 23.97 | 1.21 |
| | 049 | H01 | 7 | 26. | 26. | 31. | 36. | 37. | 50. | 50. | 50. | 50. | 36. | 7.81 | 34.88 | 1.24 |
| | 061 | H02 | 8 | 7. | 7. | 17. | 19. | 22. | 38. | 38. | 38. | 38. | 20. | 9.20 | 17.69 | 1.66 |
| | 062 | H02 | 8 | 5. | 5. | 10. | 11. | 20. | 28. | 28. | 28. | 28. | 16. | 8.03 | 13.91 | 1.78 |
| | 063 | H02 | 7 | 20. | 20. | 24. | 26. | 26. | 31. | 31. | 31. | 31. | 25. | 3.74 | 24.76 | 1.16 |
| | 064 | H02 | 6 | 12. | 12. | 13. | 16. | 24. | 28. | 28. | 28. | 28. | 19. | 6.31 | 17.81 | 1.40 |
| | 065 | H02 | 7 | 3. | 3. | 7. | 16. | 18. | 24. | 24. | 24. | 24. | 13. | 7.77 | 10.62 | 2.22 |
| | 066 | H02 | 8 | 3. | 3. | 10. | 11. | 19. | 28. | 28. | 28. | 28. | 15. | 8.55 | 11.97 | 2.15 |
| 049 Putnam Co | 003 | J02 | 31 | 3. | 3. | 3. | 3. | 3. | 3. | 6. | 8. | 8. | 3. | 1.28 | 2.74 | 1.33 |
| | 004 | J02 | 30 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 7. | 7. | 3. | .89 | 2.59 | 1.22 |
| 050 Boca Raton | 003 | G01 | 13 | 3. | 3. | 5. | 12. | 19. | 23. | 24. | 24. | 24. | 12. | 8.49 | 9.10 | 2.46 |
| 050 Dade Co | 002 | G01 | 15 | 5. | 10. | 44. | 62. | 69. | 82. | 82. | 82. | 82. | 54. | 24.71 | 44.26 | 2.26 |
| 050 Davie | 002 | G03 | 15 | 13. | 17. | 23. | 28. | 30. | 32. | 38. | 38. | 38. | 26. | 6.52 | 25.08 | 1.32 |
| 050 Fort Lauderdale | 003 | G03 | 16 | 19. | 23. | 34. | 41. | 62. | 75. | 96. | 96. | 96. | 49. | 21.24 | 44.34 | 1.57 |
| | 004 | G03 | 15 | 11. | 13. | 17. | 19. | 24. | 32. | 34. | 34. | 34. | 22. | 6.81 | 20.57 | 1.38 |
| 050 Fort Pierce | 002 | F03 | 16 | 11. | 15. | 18. | 20. | 26. | 33. | 37. | 37. | 37. | 22. | 7.00 | 21.43 | 1.37 |
| 050 Homestead | 001 | G01 | 13 | 19. | 20. | 26. | 30. | 38. | 47. | 56. | 56. | 56. | 33. | 11.24 | 31.25 | 1.40 |
| 050 Lauderdale Lakes | 001 | G03 | 15 | 15. | 21. | 32. | 36. | 38. | 45. | 53. | 53. | 53. | 35. | 8.95 | 33.67 | 1.35 |
| 050 Miami | 002 | G01 | 14 | 13. | 18. | 63. | 70. | 86. | 98. | 105. | 105. | 105. | 68. | 28.93 | 59.04 | 1.89 |
| | 007 | G01 | 2 | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 5. | 5. | | | | |
| 050 Miami Beach | 007 | G01 | 7 | 11. | 11. | 13. | 14. | 23. | 33. | 33. | 33. | 33. | 19. | 9.52 | 17.58 | 1.61 |
| 050 North Miami Beach | 001 | G01 | 15 | 12. | 13. | 21. | 28. | 38. | 66. | 72. | 72. | 72. | 33. | 18.24 | 28.67 | 1.73 |
| 050 North Palm Beach | 001 | G01 | 15 | 3. | 3. | 7. | 14. | 19. | 27. | 34. | 34. | 34. | 15. | 9.77 | 10.97 | 2.43 |
| 050 Pembroke Pines | 001 | G03 | 14 | 15. | 15. | 23. | 26. | 30. | 41. | 47. | 47. | 47. | 27. | 9.63 | 25.85 | 1.43 |
| 050 Perrine | 002 | G01 | 14 | 3. | 38. | 46. | 51. | 62. | 74. | 98. | 98. | 98. | 53. | 21.42 | 44.17 | 2.38 |
| 050 West Palm Beach | 002 | G01 | 15 | 12. | 13. | 18. | 25. | 32. | 36. | 38. | 38. | 38. | 25. | 8.97 | 23.05 | 1.50 |
| 051 Fort Myers | 002 | F01 | 16 | 9. | 9. | 13. | 16. | 20. | 25. | 28. | 28. | 28. | 17. | 5.85 | 16.13 | 1.44 |
| 052 Bartow | 002 | F01 | 15 | 3. | 7. | 18. | 22. | 28. | 33. | 43. | 43. | 43. | 22. | 11.27 | 18.11 | 2.12 |
| 052 Brandon | 001 | G01 | 16 | 13. | 15. | 21. | 23. | 30. | 32. | 38. | 38. | 38. | 24. | 6.57 | 23.00 | 1.32 |
| 052 Hillsborough Co | 064 | G02 | 18 | 24. | 36. | 47. | 58. | 66. | 70. | 79. | 79. | 79. | 55. | 14.13 | 53.15 | 1.34 |
| | 066 | G02 | 18 | 3. | 15. | 23. | 32. | 39. | 47. | 58. | 58. | 58. | 30. | 14.24 | 25.80 | 2.04 |
| 052 Lakeland | 001 | F01 | 14 | 6. | 7. | 27. | 30. | 40. | 51. | 81. | 81. | 81. | 34. | 19.11 | 27.72 | 2.04 |
| 052 Largo | 001 | G01 | 4 | 3. | 3. | 7. | 7. | 18. | 34. | 34. | 34. | 34. | | | | |
| 052 Mulberry | 001 | F01 | 11 | 3. | 17. | 25. | 32. | 39. | 43. | 50. | 50. | 50. | 31. | 13.51 | 25.75 | 2.30 |
| 052 Pinellas Co | 001 | G01 | 4 | 3. | 3. | 18. | 18. | 29. | 40. | 40. | 40. | 40. | | | | |
| | 002 | G01 | 4 | 3. | 3. | 11. | 11. | 16. | 22. | 22. | 22. | 22. | | | | |
| 052 Tampa | 002 | G02 | 18 | 24. | 28. | 38. | 38. | 45. | 60. | 71. | 71. | 71. | 43. | 11.23 | 41.22 | 1.29 |
| | 022 | G02 | 24 | 45. | 51. | 60. | 68. | 77. | 90. | 96. | 98. | 98. | 69. | 14.72 | 67.66 | 1.24 |
| | 024 | G02 | 19 | 21. | 30. | 41. | 43. | 53. | 64. | 75. | 75. | 75. | 46. | 13.89 | 44.24 | 1.38 |
| | 030 | G01 | 16 | 11. | 17. | 24. | 32. | 43. | 55. | 58. | 58. | 58. | 35. | 13.76 | 31.62 | 1.58 |
| | 034 | G02 | 15 | 6. | 9. | 11. | 11. | 13. | 19. | 23. | 23. | 23. | 13. | 4.05 | 12.08 | 1.38 |
| | 035 | G02 | 17 | 13. | 19. | 26. | 32. | 32. | 49. | 58. | 58. | 58. | 32. | 11.58 | 29.87 | 1.46 |
| **GEORGIA** | | | | | | | | | | | | | | | | |
| 002 Columbus | 003 | F01 | 12 | 30. | 40. | 42. | 46. | 51. | 56. | 66. | 66. | 66. | 48. | 9.21 | 46.73 | 1.22 |
| 049 Brunswick | 001 | F01 | 14 | 3. | 12. | 16. | 18. | 20. | 22. | 26. | 26. | 26. | 17. | 5.78 | 15.51 | 1.77 |
| | 002 | F01 | 15 | 16. | 16. | 21. | 23. | 27. | 36. | 55. | 55. | 55. | 26. | 9.94 | 24.74 | 1.39 |
| 053 Augusta | 004 | F01 | 9 | 18. | 18. | 27. | 34. | 46. | 55. | 55. | 55. | 55. | 35. | 13.42 | 32.87 | 1.49 |
| 054 Lyons | 002 | F01 | 12 | 3. | 3. | 3. | 15. | 19. | 23. | 45. | 45. | 45. | 14. | 12.78 | 8.72 | 3.11 |
| 054 Macon | 006 | F01 | 14 | 30. | 31. | 39. | 45. | 63. | 76. | 78. | 78. | 78. | 52. | 16.48 | 49.44 | 1.39 |

## NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER NASN SODIUM ARSENITE - ORIFICE, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **GEORGIA — Cont.** | | | | | | | | | | | | | | | | |
| | 007 | F01 | 14 | 17. | 22. | 32. | 34. | 35. | 65. | 73. | 73. | 73. | 38. | 15.20 | 35.54 | 1.45 |
| | 008 | F01 | 14 | 31. | 34. | 40. | 49. | 54. | 69. | 69. | 69. | 69. | 49. | 12.68 | 47.89 | 1.29 |
| | 010 | F01 | 16 | 23. | 27. | 43. | 51. | 64. | 75. | 87. | 87. | 87. | 53. | 18.05 | 49.43 | 1.47 |
| 055 Rome | 001 | F01 | 12 | 3. | 9. | 32. | 35. | 49. | 57. | 61. | 61. | 61. | 37. | 18.59 | 28.70 | 2.53 |
| | 003 | F01 | 11 | 9. | 9. | 12. | 20. | 27. | 35. | 73. | 73. | 73. | 24. | 18.72 | 19.34 | 1.94 |
| 055 Rossville | 002 | F01 | 13 | 3. | 3. | 18. | 24. | 44. | 56. | 65. | 65. | 65. | 30. | 19.26 | 21.31 | 2.83 |
| 056 Atlanta | 001 | G01 | 8 | 26. | 26. | 42. | 50. | 60. | 88. | 88. | 88. | 88. | 53. | 18.35 | 49.96 | 1.43 |
| | 031 | G01 | 16 | 6. | 11. | 32. | 38. | 46. | 51. | 53. | 53. | 53. | 36. | 13.59 | 31.79 | 1.81 |
| | 035 | G01 | 14 | 5. | 34. | 39. | 42. | 58. | 72. | 75. | 75. | 75. | 46. | 18.10 | 40.66 | 1.93 |
| | 036 | G02 | 14 | 22. | 24. | 31. | 36. | 45. | 58. | 75. | 75. | 75. | 41. | 14.70 | 38.29 | 1.42 |
| | 038 | G02 | 15 | 28. | 35. | 38. | 42. | 48. | 53. | 68. | 68. | 68. | 44. | 9.46 | 43.10 | 1.23 |
| | 039 | G01 | 15 | 3. | 34. | 48. | 57. | 66. | 88. | 107. | 107. | 107. | 57. | 24.52 | 47.20 | 2.39 |
| | 041 | G01 | 16 | 14. | 36. | 38. | 41. | 56. | 81. | 87. | 87. | 87. | 50. | 19.38 | 45.79 | 1.54 |
| | 042 | G02 | 15 | 28. | 39. | 47. | 52. | 62. | 73. | 75. | 75. | 75. | 54. | 13.51 | 52.26 | 1.31 |
| 056 Hapeville | 001 | G01 | 15 | 5. | 30. | 38. | 50. | 62. | 76. | 76. | 76. | 76. | 50. | 20.67 | 43.57 | 1.98 |
| 058 Savannah | 002 | F01 | 2 | 23. | 23. | 23. | 23. | 51. | 51. | 51. | 51. | 51. | | | | |
| | 009 | F01 | 9 | 8. | 8. | 21. | 26. | 33. | 39. | 39. | 39. | 39. | 26. | 9.34 | 23.99 | 1.58 |
| | 011 | F01 | 10 | 14. | 14. | 34. | 44. | 48. | 71. | 88. | 88. | 88. | 46. | 21.23 | 41.51 | 1.68 |
| 059 Albany | 002 | F01 | 12 | 3. | 3. | 3. | 22. | 28. | 43. | 47. | 47. | 47. | 20. | 15.92 | 12.39 | 3.40 |
| 059 Valdosta | 002 | F01 | 12 | 10. | 19. | 21. | 22. | 30. | 35. | 47. | 47. | 47. | 26. | 9.64 | 24.50 | 1.48 |
| **IDAHO** | | | | | | | | | | | | | | | | |
| 064 Boise City | 007 | F01 | 15 | 24. | 28. | 30. | 33. | 38. | 43. | 44. | 44. | 44. | 34. | 6.03 | 33.99 | 1.19 |
| **IOWA** | | | | | | | | | | | | | | | | |
| 068 Dubuque | 008 | P05 | 10 | 15. | 15. | 21. | 22. | 30. | 49. | 50. | 50. | 50. | 29. | 12.19 | 26.83 | 1.49 |
| 088 Cedar Rapids | 013 | G01 | 15 | 15. | 20. | 31. | 42. | 51. | 55. | 63. | 63. | 63. | 40. | 14.34 | 37.34 | 1.52 |
| 092 Des Moines | 001 | G01 | 8 | 22. | 22. | 48. | 48. | 60. | 66. | 66. | 66. | 66. | 49. | 16.31 | 46.02 | 1.50 |
| | 001 | P01 | 5 | 34. | 34. | 47. | 49. | 50. | 78. | 78. | 78. | 78. | | | | |
| | 044 | G01 | 16 | 16. | 20. | 36. | 43. | 73. | 85. | 99. | 99. | 99. | 53. | 26.43 | 45.89 | 1.77 |
| | 045 | G01 | 16 | 19. | 21. | 31. | 47. | 56. | 76. | 86. | 86. | 86. | 46. | 19.92 | 41.63 | 1.59 |
| | 046 | G02 | 15 | 12. | 20. | 22. | 34. | 40. | 57. | 65. | 65. | 65. | 35. | 14.44 | 32.02 | 1.57 |
| 092 Polk Co | 021 | G02 | 16 | 3. | 8. | 12. | 19. | 23. | 35. | 40. | 40. | 40. | 19. | 10.58 | 16.17 | 2.01 |
| 092 Warren Co | 007 | G02 | 15 | 3. | 3. | 10. | 12. | 16. | 21. | 34. | 34. | 34. | 13. | 7.74 | 10.81 | 2.03 |
| **KANSAS** | | | | | | | | | | | | | | | | |
| 094 Kansas City | 012 | P01 | 16 | 24. | 24. | 44. | 48. | 61. | 69. | 70. | 70. | 70. | 49. | 14.99 | 47.02 | 1.41 |
| | 015 | P01 | 15 | 33. | 37. | 43. | 51. | 59. | 70. | 90. | 90. | 90. | 53. | 15.48 | 51.01 | 1.32 |
| 095 Topeka | 001 | P01 | 14 | 3. | 16. | 24. | 30. | 37. | 50. | 53. | 53. | 53. | 31. | 13.66 | 25.84 | 2.14 |
| 099 Wichita | 001 | P01 | 13 | 3. | 16. | 24. | 30. | 52. | 54. | 67. | 67. | 67. | 35. | 18.57 | 28.33 | 2.35 |
| **KENTUCKY** | | | | | | | | | | | | | | | | |
| 072 Ballard Co | 002 | F01 | 15 | 14. | 16. | 19. | 26. | 29. | 35. | 36. | 36. | 36. | 25. | 6.97 | 24.15 | 1.34 |
| | 003 | F01 | 16 | 5. | 10. | 17. | 22. | 26. | 35. | 40. | 40. | 40. | 22. | 8.97 | 20.04 | 1.64 |
| 072 Carlisle Co | 001 | F01 | 15 | 13. | 14. | 20. | 23. | 27. | 37. | 38. | 38. | 38. | 24. | 8.20 | 22.67 | 1.43 |
| 072 Central City | 002 | F01 | 14 | 3. | 5. | 27. | 31. | 36. | 71. | 101. | 101. | 101. | 38. | 27.20 | 27.46 | 2.69 |
| 072 Fulton | 001 | F01 | 16 | 13. | 15. | 19. | 20. | 34. | 42. | 53. | 53. | 53. | 26. | 11.23 | 24.34 | 1.50 |
| 072 Hopkinsville | 002 | F01 | 16 | 6. | 9. | 14. | 23. | 38. | 55. | 60. | 60. | 60. | 27. | 16.37 | 21.98 | 1.99 |
| 072 Mc Cracken Co | 001 | F02 | 13 | 3. | 3. | 3. | 11. | 13. | 16. | 20. | 20. | 20. | 9. | 5.70 | 7.11 | 2.20 |
| 072 Madisonville | 001 | F01 | 16 | 21. | 22. | 25. | 30. | 43. | 53. | 82. | 82. | 82. | 35. | 15.97 | 32.94 | 1.46 |
| 072 Marshall Co | 002 | F01 | 13 | 3. | 3. | 3. | 3. | 17. | 24. | 30. | 30. | 30. | 10. | 10.15 | 5.61 | 2.94 |
| | 008 | F01 | 13 | 13. | 15. | 18. | 24. | 27. | 39. | 50. | 50. | 50. | 25. | 9.98 | 23.42 | 1.45 |
| 072 Murray | 001 | F01 | 16 | 12. | 14. | 18. | 21. | 25. | 53. | 74. | 74. | 74. | 27. | 16.36 | 23.69 | 1.63 |
| 072 Paducah | 001 | F01 | 15 | 18. | 20. | 25. | 31. | 40. | 67. | 83. | 83. | 83. | 36. | 18.03 | 32.89 | 1.54 |
| | 002 | F01 | 11 | 17. | 18. | 25. | 30. | 35. | 41. | 67. | 67. | 67. | 33. | 14.00 | 30.43 | 1.48 |
| | 003 | F01 | 15 | 3. | 14. | 32. | 40. | 61. | 72. | 92. | 92. | 92. | 44. | 24.04 | 34.59 | 2.42 |
| | 004 | F01 | 14 | 3. | 29. | 39. | 41. | 48. | 76. | 110. | 110. | 110. | 47. | 25.40 | 38.10 | 2.37 |
| | 005 | F03 | 12 | 8. | 12. | 18. | 21. | 28. | 34. | 52. | 52. | 52. | 24. | 11.68 | 21.21 | 1.64 |
| | 020 | F01 | 15 | 24. | 28. | 32. | 41. | 50. | 77. | 119. | 119. | 119. | 48. | 24.75 | 43.58 | 1.54 |
| 072 Princeton | 001 | F01 | 12 | 11. | 15. | 18. | 24. | 32. | 53. | 58. | 58. | 58. | 28. | 14.84 | 24.85 | 1.65 |
| 077 Hancock Co | 002 | F01 | 15 | 3. | 9. | 12. | 16. | 20. | 35. | 36. | 36. | 36. | 17. | 9.02 | 14.87 | 1.89 |
| | 004 | F01 | 16 | 16. | 16. | 20. | 23. | 26. | 37. | 42. | 42. | 42. | 25. | 7.97 | 24.32 | 1.34 |
| 077 Henderson | 002 | F01 | 15 | 22. | 27. | 31. | 38. | 50. | 63. | 65. | 65. | 65. | 41. | 13.99 | 38.71 | 1.40 |
| | 003 | F01 | 15 | 16. | 20. | 27. | 31. | 42. | 66. | 72. | 72. | 72. | 37. | 17.12 | 33.92 | 1.56 |

## NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER NASN SODIUM ARSENITE - ORIFICE, 24 hours

1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **KENTUCKY — Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 004 | F01 | 12 | 8. | 16. | 24. | 34. | 63. | 74. | 93. | 93. | 93. | 42. | 25.63 | 34.91 | 1.99 |
|  | 005 | F01 | 12 | 6. | 10. | 35. | 40. | 67. | 91. | 92. | 92. | 92. | 49. | 29.67 | 37.92 | 2.36 |
|  | 008 | F01 | 15 | 20. | 26. | 31. | 49. | 65. | 84. | 87. | 87. | 87. | 52. | 23.14 | 46.59 | 1.63 |
|  | 009 | F01 | 14 | 21. | 23. | 31. | 32. | 49. | 63. | 63. | 63. | 63. | 40. | 14.45 | 38.04 | 1.45 |
| 077 Henderson Co | 001 | F02 | 6 | 9. | 9. | 15. | 16. | 21. | 22. | 22. | 22. | 22. |  |  |  |  |
| 077 Owensboro | 001 | F01 | 12 | 14. | 21. | 24. | 28. | 38. | 54. | 63. | 63. | 63. | 34. | 14.34 | 31.19 | 1.52 |
|  | 002 | F01 | 12 | 12. | 16. | 25. | 28. | 31. | 59. | 76. | 76. | 76. | 33. | 17.60 | 29.11 | 1.63 |
|  | 003 | F01 | 14 | 13. | 14. | 22. | 24. | 32. | 45. | 55. | 55. | 55. | 27. | 11.82 | 25.26 | 1.51 |
|  | 005 | F01 | 16 | 3. | 3. | 16. | 32. | 42. | 59. | 116. | 116. | 116. | 36. | 27.44 | 24.71 | 2.84 |
|  | 006 | F01 | 16 | 18. | 19. | 25. | 29. | 40. | 63. | 70. | 70. | 70. | 35. | 15.26 | 32.43 | 1.50 |
|  | 008 | F01 | 16 | 25. | 26. | 41. | 52. | 67. | 87. | 96. | 96. | 96. | 55. | 21.54 | 51.42 | 1.51 |
| 078 Buechel | 001 | G01 | 15 | 30. | 36. | 42. | 54. | 71. | 84. | 104. | 104. | 104. | 56. | 21.25 | 53.06 | 1.43 |
| 078 Jefferson Co | 013 | G01 | 14 | 3. | 8. | 29. | 43. | 47. | 56. | 193. | 193. | 193. | 47. | 45.23 | 32.16 | 2.74 |
|  | 027 | G03 | 16 | 3. | 3. | 12. | 19. | 27. | 56. | 96. | 96. | 96. | 27. | 24.65 | 18.04 | 2.74 |
| 078 Louisville | 004 | G02 | 12 | 3. | 35. | 41. | 48. | 68. | 89. | 96. | 96. | 96. | 54. | 25.55 | 43.08 | 2.60 |
|  | 009 | G01 | 15 | 3. | 3. | 44. | 58. | 76. | 90. | 105. | 105. | 105. | 54. | 31.91 | 36.13 | 3.42 |
|  | 011 | G01 | 14 | 3. | 38. | 58. | 60. | 85. | 118. | 150. | 150. | 150. | 71. | 35.47 | 56.06 | 2.62 |
|  | 014 | G01 | 12 | 32. | 40. | 50. | 53. | 68. | 75. | 103. | 103. | 103. | 59. | 18.47 | 56.71 | 1.35 |
|  | 015 | G01 | 16 | 3. | 29. | 51. | 54. | 65. | 100. | 101. | 101. | 101. | 58. | 25.62 | 47.99 | 2.36 |
|  | 019 | G01 | 12 | 27. | 41. | 46. | 55. | 80. | 102. | 105. | 105. | 105. | 64. | 25.93 | 59.12 | 1.52 |
|  | 020 | G01 | 14 | 22. | 31. | 54. | 56. | 68. | 87. | 112. | 112. | 112. | 62. | 23.26 | 57.42 | 1.52 |
|  | 021 | G01 | 15 | 3. | 32. | 40. | 51. | 67. | 97. | 106. | 106. | 106. | 55. | 26.48 | 44.98 | 2.41 |
|  | 027 | G01 | 15 | 3. | 15. | 33. | 41. | 50. | 76. | 89. | 89. | 89. | 43. | 23.07 | 34.89 | 2.36 |
| 078 Okolona | 001 | G01 | 14 | 3. | 41. | 56. | 59. | 68. | 98. | 114. | 114. | 114. | 64. | 27.14 | 52.18 | 2.51 |
| 078 Pleasure Ridge Park | 001 | G01 | 16 | 3. | 3. | 21. | 26. | 38. | 44. | 50. | 50. | 50. | 27. | 14.06 | 21.53 | 2.47 |
| 078 St Matthews | 004 | G01 | 15 | 3. | 20. | 50. | 61. | 75. | 119. | 142. | 142. | 142. | 66. | 35.65 | 51.41 | 2.60 |
| 078 Shively | 001 | G01 | 14 | 3. | 28. | 61. | 70. | 87. | 115. | 134. | 134. | 134. | 72. | 36.25 | 55.84 | 2.71 |
| 079 Alexandria | 001 | F01 | 14 | 3. | 3. | 15. | 18. | 27. | 35. | 36. | 36. | 36. | 20. | 10.29 | 16.14 | 2.33 |
| 079 Boone Co | 001 | F01 | 16 | 23. | 24. | 26. | 35. | 47. | 55. | 63. | 63. | 63. | 37. | 12.91 | 35.13 | 1.41 |
|  | 002 | F01 | 15 | 3. | 7. | 14. | 18. | 26. | 37. | 38. | 38. | 38. | 20. | 10.56 | 16.87 | 2.03 |
| 079 Carroll Co | 001 | F03 | 15 | 9. | 10. | 15. | 21. | 25. | 33. | 34. | 34. | 34. | 21. | 8.35 | 19.12 | 1.54 |
| 079 Carrollton | 001 | F01 | 15 | 3. | 14. | 19. | 19. | 25. | 29. | 36. | 36. | 36. | 21. | 7.72 | 18.51 | 1.84 |
| 079 Covington | 007 | F01 | 12 | 16. | 37. | 46. | 49. | 61. | 75. | 94. | 94. | 94. | 53. | 19.46 | 49.22 | 1.56 |
| 079 Erlanger | 001 | F01 | 15 | 29. | 33. | 41. | 49. | 65. | 76. | 115. | 115. | 115. | 56. | 21.91 | 52.08 | 1.44 |
| 079 Falmouth | 001 | F01 | 16 | 9. | 11. | 15. | 17. | 19. | 24. | 26. | 26. | 26. | 17. | 4.86 | 16.51 | 1.35 |
| 079 Florence | 001 | F01 | 16 | 26. | 30. | 39. | 43. | 59. | 87. | 93. | 93. | 93. | 52. | 20.48 | 48.06 | 1.47 |
| 079 Fort Mitchell | 002 | F01 | 15 | 12. | 22. | 28. | 32. | 38. | 63. | 73. | 73. | 73. | 36. | 16.04 | 33.34 | 1.56 |
| 079 Fort Thomas | 001 | F01 | 16 | 19. | 22. | 27. | 31. | 37. | 44. | 45. | 45. | 45. | 32. | 7.74 | 31.27 | 1.28 |
| 079 Gallatin Co | 001 | F03 | 14 | 3. | 8. | 18. | 20. | 26. | 31. | 32. | 32. | 32. | 21. | 8.57 | 18.19 | 1.97 |
| 079 Newport | 001 | F01 | 12 | 38. | 47. | 61. | 78. | 88. | 94. | 99. | 99. | 99. | 74. | 20.02 | 71.13 | 1.36 |
| 079 Owen Co | 001 | F01 | 15 | 3. | 8. | 12. | 15. | 19. | 23. | 23. | 23. | 23. | 15. | 5.69 | 13.59 | 1.75 |
| 101 Corbin | 001 | F01 | 10 | 12. | 12. | 16. | 22. | 34. | 51. | 73. | 73. | 73. | 31. | 19.79 | 26.15 | 1.84 |
| 101 Hazard | 001 | F01 | 11 | 3. | 15. | 25. | 28. | 43. | 73. | 83. | 83. | 83. | 36. | 24.03 | 27.06 | 2.56 |
| 101 London | 002 | F01 | 11 | 15. | 22. | 39. | 48. | 52. | 70. | 72. | 72. | 72. | 46. | 19.22 | 41.14 | 1.66 |
| 101 Middlesborough | 001 | F01 | 11 | 3. | 16. | 25. | 29. | 37. | 57. | 68. | 68. | 68. | 34. | 19.28 | 26.34 | 2.45 |
| 101 Pikeville | 001 | F01 | 12 | 3. | 15. | 29. | 35. | 41. | 49. | 70. | 70. | 70. | 35. | 16.86 | 28.47 | 2.34 |
| 101 Prestonsburg | 001 | F01 | 13 | 3. | 3. | 3. | 7. | 28. | 51. | 51. | 51. | 51. | 18. | 18.83 | 9.95 | 3.39 |
| 102 Berea | 001 | F01 | 16 | 14. | 14. | 18. | 20. | 24. | 43. | 47. | 47. | 47. | 24. | 10.34 | 22.40 | 1.46 |
| 102 Cynthiana | 001 | F01 | 16 | 16. | 20. | 24. | 28. | 36. | 49. | 50. | 50. | 50. | 31. | 10.16 | 29.92 | 1.38 |
| 102 Danville | 003 | F01 | 16 | 14. | 17. | 20. | 25. | 32. | 48. | 51. | 51. | 51. | 28. | 10.53 | 25.98 | 1.44 |
| 102 Frankfort | 002 | F01 | 16 | 17. | 17. | 23. | 24. | 25. | 42. | 43. | 43. | 43. | 26. | 8.33 | 24.93 | 1.34 |
| 102 Franklin Co | 001 | F03 | 16 | 3. | 3. | 6. | 8. | 8. | 11. | 21. | 21. | 21. | 8. | 4.33 | 6.78 | 1.78 |
| 102 Lexington | 002 | F01 | 16 | 18. | 21. | 26. | 32. | 39. | 57. | 58. | 58. | 58. | 35. | 12.97 | 32.88 | 1.44 |
|  | 003 | F01 | 15 | 3. | 3. | 28. | 30. | 39. | 50. | 52. | 52. | 52. | 31. | 14.83 | 23.75 | 2.60 |
|  | 004 | F01 | 15 | 16. | 22. | 22. | 32. | 42. | 68. | 70. | 70. | 70. | 36. | 17.15 | 32.18 | 1.58 |
|  | 005 | F01 | 15 | 19. | 21. | 27. | 30. | 42. | 61. | 72. | 72. | 72. | 36. | 14.79 | 33.84 | 1.45 |
| 102 Richmond | 001 | F01 | 11 | 3. | 14. | 34. | 40. | 51. | 80. | 95. | 95. | 95. | 43. | 26.78 | 32.53 | 2.69 |
| 102 Winchester | 001 | F01 | 16 | 20. | 23. | 27. | 34. | 42. | 63. | 71. | 71. | 71. | 37. | 14.19 | 34.44 | 1.42 |
| 103 Ashland | 003 | F01 | 16 | 22. | 23. | 37. | 46. | 70. | 113. | 117. | 117. | 117. | 58. | 29.88 | 50.79 | 1.71 |
|  | 005 | F01 | 15 | 11. | 12. | 27. | 46. | 63. | 96. | 103. | 103. | 103. | 48. | 28.62 | 39.78 | 2.01 |
|  | 006 | F01 | 16 | 8. | 16. | 21. | 26. | 44. | 46. | 62. | 62. | 62. | 30. | 14.39 | 27.00 | 1.67 |
|  | 007 | F01 | 11 | 7. | 12. | 14. | 18. | 25. | 29. | 45. | 45. | 45. | 21. | 10.68 | 18.40 | 1.68 |
|  | 008 | F01 | 16 | 3. | 3. | 3. | 3. | 36. | 62. | 68. | 68. | 68. | 22. | 23.23 | 9.53 | 4.20 |
| 103 Carter Co | 001 | F01 | 13 | 11. | 15. | 19. | 29. | 36. | 37. | 41. | 41. | 41. | 27. | 9.58 | 25.64 | 1.50 |
| 103 Catlettsburg | 001 | F01 | 12 | 5. | 7. | 8. | 12. | 42. | 71. | 79. | 79. | 79. | 29. | 27.25 | 19.18 | 2.66 |
| 103 Greenup Co | 001 | F01 | 13 | 6. | 12. | 18. | 24. | 34. | 49. | 57. | 57. | 57. | 27. | 14.84 | 22.92 | 1.84 |
|  | 002 | F01 | 15 | 16. | 18. | 25. | 37. | 49. | 69. | 76. | 76. | 76. | 40. | 18.77 | 35.46 | 1.64 |
| 103 Lawrence Co | 001 | F01 | 16 | 18. | 21. | 30. | 35. | 45. | 54. | 54. | 54. | 54. | 37. | 11.10 | 35.20 | 1.38 |
| 103 Maysville | 004 | F01 | 11 | 7. | 7. | 21. | 30. | 37. | 49. | 51. | 51. | 51. | 28. | 16.14 | 22.36 | 2.14 |

## NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER NASN SODIUM ARSENITE - ORIFICE, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **KENTUCKY — Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 103 Morehead | 001 | F01 | 14 | 3. | 10. | 14. | 18. | 22. | 24. | 29. | 29. | 29. | 17. | 7.03 | 15.35 | 1.84 |
| 104 Bardstown | 001 | F01 | 16 | 3. | 10. | 18. | 21. | 36. | 46. | 47. | 47. | 47. | 25. | 13.20 | 21.05 | 2.06 |
| 104 Elizabethtown | 002 | F01 | 14 | 3. | 20. | 25. | 27. | 36. | 58. | 63. | 63. | 63. | 33. | 16.65 | 27.24 | 2.19 |
|  | 003 | F01 | 15 | 3. | 16. | 27. | 29. | 32. | 69. | 86. | 86. | 86. | 36. | 21.97 | 28.94 | 2.25 |
| 104 Leitchfield | 001 | F01 | 16 | 3. | 11. | 15. | 18. | 22. | 36. | 42. | 42. | 42. | 21. | 10.02 | 17.76 | 1.90 |
| 104 Oldham Co | 002 | F01 | 16 | 3. | 10. | 26. | 28. | 32. | 43. | 45. | 45. | 45. | 28. | 11.19 | 24.09 | 2.02 |
| 104 Shelbyville | 001 | F01 | 16 | 3. | 17. | 28. | 29. | 33. | 51. | 53. | 53. | 53. | 30. | 12.38 | 26.38 | 2.01 |
| 104 Shepherdsville | 001 | F01 | 15 | 3. | 22. | 31. | 43. | 54. | 62. | 70. | 70. | 70. | 41. | 18.43 | 34.30 | 2.25 |
| 105 Bowling Green | 004 | F01 | 16 | 15. | 20. | 25. | 29. | 47. | 68. | 72. | 72. | 72. | 36. | 17.32 | 32.94 | 1.57 |
|  | 005 | F01 | 16 | 3. | 11. | 20. | 26. | 33. | 63. | 91. | 91. | 91. | 32. | 21.42 | 25.28 | 2.23 |
| 105 Franklin | 001 | F01 | 15 | 3. | 3. | 5. | 17. | 27. | 41. | 42. | 42. | 42. | 19. | 15.52 | 11.97 | 3.02 |
| 105 Glasgow | 001 | F01 | 15 | 3. | 23. | 25. | 35. | 37. | 62. | 86. | 86. | 86. | 35. | 19.08 | 28.80 | 2.16 |
| 105 Russellville | 002 | F01 | 15 | 15. | 15. | 19. | 21. | 24. | 30. | 41. | 41. | 41. | 22. | 6.59 | 21.39 | 1.30 |
| 105 Somerset | 002 | F01 | 13 | 8. | 9. | 16. | 20. | 30. | 44. | 46. | 46. | 46. | 23. | 11.92 | 20.18 | 1.70 |
| **LOUISIANA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 019 Monroe | 001 | F01 | 11 | 10. | 12. | 15. | 18. | 25. | 28. | 44. | 44. | 44. | 21. | 9.54 | 19.15 | 1.52 |
| 022 Shreveport | 001 | F01 | 2 | 3. | 3. | 3. | 3. | 10. | 10. | 10. | 10. | 10. |  |  |  |  |
| 106 Alexandria | 001 | F01 | 15 | 3. | 3. | 9. | 13. | 18. | 27. | 31. | 31. | 31. | 14. | 8.30 | 11.52 | 2.11 |
| 106 Baton Rouge | 002 | F01 | 16 | 32. | 38. | 43. | 48. | 62. | 72. | 76. | 76. | 76. | 53. | 13.66 | 51.47 | 1.30 |
|  | 003 | F01 | 16 | 18. | 25. | 27. | 33. | 44. | 53. | 62. | 62. | 62. | 37. | 11.80 | 34.76 | 1.38 |
| 106 Harvey | 001 | F01 | 15 | 11. | 18. | 31. | 37. | 44. | 70. | 82. | 82. | 82. | 42. | 20.84 | 36.59 | 1.74 |
| 106 Iberville Par | 002 | F01 | 16 | 6. | 8. | 16. | 22. | 28. | 29. | 36. | 36. | 36. | 21. | 8.68 | 18.79 | 1.69 |
|  | 004 | F02 | 15 | 6. | 10. | 20. | 28. | 38. | 47. | 57. | 57. | 57. | 28. | 14.27 | 24.24 | 1.84 |
| 106 Lafayette | 001 | F01 | 15 | 26. | 27. | 31. | 38. | 49. | 63. | 65. | 65. | 65. | 40. | 12.84 | 38.43 | 1.36 |
| 106 Lake Charles | 001 | F01 | 16 | 26. | 28. | 35. | 47. | 63. | 71. | 83. | 83. | 83. | 49. | 17.32 | 46.22 | 1.44 |
|  | 002 | F01 | 16 | 10. | 12. | 18. | 23. | 34. | 42. | 44. | 44. | 44. | 26. | 10.82 | 23.27 | 1.58 |
| 106 Metairie | 001 | F01 | 16 | 30. | 38. | 54. | 57. | 61. | 88. | 97. | 97. | 97. | 60. | 18.01 | 57.09 | 1.35 |
| 106 New Orleans | 002 | F01 | 16 | 9. | 12. | 17. | 21. | 41. | 86. | 90. | 90. | 90. | 34. | 26.00 | 26.54 | 1.99 |
| 106 St John The Baptist Par | 001 | F01 | 10 | 11. | 11. | 22. | 27. | 30. | 39. | 43. | 43. | 43. | 28. | 10.00 | 26.07 | 1.51 |
|  | 002 | F01 | 3 | 5. | 5. | 5. | 14. | 23. | 23. | 23. | 23. | 23. |  |  |  |  |
| 106 Westlake | 002 | F01 | 16 | 9. | 15. | 26. | 31. | 40. | 61. | 98. | 98. | 98. | 38. | 21.64 | 32.65 | 1.77 |
| **MAINE** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 107 Lewiston | 005 | F01 | 15 | 3. | 18. | 21. | 25. | 33. | 38. | 56. | 56. | 56. | 28. | 12.08 | 23.72 | 2.00 |
| 109 Acadia Nat Park | 001 | F03 | 8 | 3. | 3. | 3. | 3. | 3. | 7. | 7. | 7. | 7. | 3. | 1.59 | 2.84 | 1.44 |
| 109 Bangor | 001 | F01 | 23 | 20. | 25. | 28. | 43. | 48. | 66. | 68. | 73. | 73. | 42. | 15.05 | 39.59 | 1.45 |
| 110 Portland | 004 | F01 | 13 | 21. | 23. | 27. | 33. | 48. | 77. | 497. | 497. | 497. | 72. | 128.48 | 42.32 | 2.27 |
| **MARYLAND** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 047 Laurel | 002 | H01 | 16 | 19. | 34. | 38. | 49. | 59. | 72. | 102. | 102. | 102. | 52. | 19.49 | 49.03 | 1.48 |
| 047 Montgomery Co | 010 | F01 | 6 | 20. | 20. | 26. | 27. | 34. | 35. | 35. | 35. | 35. | 29. | 5.57 | 28.18 | 1.23 |
| 047 Prince Georges Co | 006 | G01 | 16 | 37. | 64. | 67. | 75. | 83. | 104. | 124. | 124. | 124. | 78. | 19.65 | 75.47 | 1.30 |
|  | 023 | H01 | 15 | 14. | 16. | 24. | 29. | 33. | 37. | 37. | 37. | 37. | 28. | 7.49 | 26.99 | 1.35 |
| 047 Rockville | 002 | G01 | 12 | 9. | 12. | 47. | 50. | 64. | 72. | 78. | 78. | 78. | 50. | 21.37 | 42.53 | 1.99 |
| 112 Brunswick | 001 | G05 | 15 | 19. | 37. | 58. | 66. | 70. | 94. | 95. | 95. | 95. | 64. | 20.31 | 59.86 | 1.50 |
| 112 Frederick | 007 | G01 | 16 | 31. | 31. | 32. | 42. | 51. | 52. | 58. | 58. | 58. | 43. | 9.55 | 41.60 | 1.26 |
| 112 Frederick Co | 003 | F02 | 14 | 8. | 9. | 11. | 14. | 21. | 25. | 45. | 45. | 45. | 17. | 9.61 | 15.57 | 1.61 |
|  | 021 | F01 | 16 | 11. | 18. | 26. | 28. | 30. | 34. | 43. | 43. | 43. | 28. | 7.02 | 26.55 | 1.35 |
|  | 024 | G01 | 2 | 32. | 32. | 32. | 32. | 37. | 37. | 37. | 37. | 37. |  |  |  |  |
|  | 025 | G01 | 16 | 18. | 22. | 28. | 32. | 35. | 49. | 57. | 57. | 57. | 33. | 9.70 | 31.59 | 1.33 |
| 113 Allegany Co | 002 | G01 | 15 | 26. | 34. | 37. | 38. | 43. | 58. | 60. | 60. | 60. | 42. | 9.43 | 40.92 | 1.25 |
| 113 Cumberland | 001 | G01 | 15 | 28. | 33. | 40. | 45. | 48. | 60. | 75. | 75. | 75. | 46. | 12.01 | 44.56 | 1.29 |
|  | 004 | F01 | 13 | 9. | 10. | 13. | 18. | 25. | 43. | 48. | 48. | 48. | 21. | 12.03 | 18.91 | 1.67 |
|  | 009 | F01 | 16 | 14. | 21. | 26. | 27. | 33. | 37. | 44. | 44. | 44. | 29. | 7.23 | 27.96 | 1.31 |
|  | 010 | F01 | 14 | 26. | 28. | 35. | 36. | 45. | 54. | 64. | 64. | 64. | 40. | 10.79 | 38.94 | 1.30 |
| 113 Garrett Co | 001 | F01 | 15 | 18. | 19. | 26. | 29. | 32. | 35. | 47. | 47. | 47. | 29. | 7.08 | 28.36 | 1.27 |
|  | 003 | F03 | 16 | 12. | 12. | 16. | 17. | 21. | 24. | 33. | 33. | 33. | 19. | 5.32 | 17.86 | 1.31 |
| 113 Hagerstown | 001 | F01 | 15 | 23. | 26. | 34. | 38. | 41. | 50. | 55. | 55. | 55. | 38. | 8.47 | 37.03 | 1.26 |
|  | 002 | F01 | 16 | 36. | 39. | 45. | 52. | 60. | 74. | 80. | 80. | 80. | 54. | 13.25 | 52.96 | 1.27 |
|  | 005 | F01 | 15 | 21. | 22. | 28. | 31. | 38. | 46. | 46. | 46. | 46. | 33. | 7.79 | 32.01 | 1.27 |
| 113 Westernport | 003 | F01 | 12 | 20. | 21. | 24. | 26. | 29. | 34. | 48. | 48. | 48. | 28. | 7.64 | 27.36 | 1.27 |
| 114 Cambridge | 001 | F01 | 14 | 20. | 21. | 26. | 31. | 34. | 41. | 44. | 44. | 44. | 31. | 7.65 | 30.32 | 1.29 |
| 114 Dorchester Co | 001 | F02 | 14 | 11. | 16. | 23. | 27. | 29. | 37. | 42. | 42. | 42. | 26. | 8.42 | 24.66 | 1.44 |
|  | 002 | F02 | 14 | 16. | 18. | 21. | 23. | 28. | 30. | 38. | 38. | 38. | 25. | 5.70 | 24.13 | 1.25 |

## NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER NASN SODIUM ARSENITE - ORIFICE, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **MARYLAND — Cont.** | | | | | | | | | | | | | | | | |
| | 003 | F02 | 13 | 13. | 13. | 15. | 22. | 25. | 29. | 30. | 30. | 30. | 21. | 6.24 | 20.47 | 1.37 |
| 114 Elkton | 001 | F01 | 15 | 3. | 35. | 38. | 42. | 47. | 54. | 72. | 72. | 72. | 43. | 14.35 | 36.78 | 2.15 |
| 114 Salisbury | 002 | F01 | 12 | 24. | 25. | 34. | 35. | 40. | 43. | 55. | 55. | 55. | 37. | 8.45 | 35.69 | 1.26 |
| 115 Annapolis | 002 | G01 | 11 | 34. | 34. | 38. | 44. | 51. | 60. | 74. | 74. | 74. | 47. | 12.78 | 45.38 | 1.29 |
| 115 Anne Arundel Co | 002 | G01 | 9 | 9. | 9. | 27. | 29. | 32. | 63. | 63. | 63. | 63. | 32. | 18.16 | 26.50 | 1.98 |
| | 003 | G01 | 13 | 11. | 22. | 47. | 61. | 78. | 90. | 96. | 96. | 96. | 57. | 25.87 | 49.80 | 1.87 |
| | 006 | G01 | 9 | 25. | 25. | 28. | 32. | 37. | 80. | 80. | 80. | 80. | 38. | 17.04 | 35.26 | 1.43 |
| | 008 | G01 | 12 | 22. | 24. | 32. | 33. | 40. | 58. | 59. | 59. | 59. | 38. | 13.01 | 36.38 | 1.39 |
| 115 Baltimore | 005 | H01 | 13 | 41. | 44. | 68. | 72. | 75. | 87. | 89. | 89. | 89. | 69. | 14.36 | 67.79 | 1.26 |
| | 006 | H01 | 14 | 34. | 43. | 50. | 51. | 60. | 70. | 98. | 98. | 98. | 57. | 15.49 | 54.90 | 1.29 |
| | 007 | H01 | 14 | 52. | 52. | 64. | 65. | 68. | 79. | 106. | 106. | 106. | 67. | 13.50 | 65.70 | 1.20 |
| | 008 | H01 | 15 | 53. | 53. | 70. | 79. | 90. | 112. | 124. | 124. | 124. | 81. | 19.84 | 79.21 | 1.27 |
| | 018 | F01 | 16 | 22. | 56. | 64. | 70. | 76. | 98. | 106. | 106. | 106. | 70. | 18.54 | 67.23 | 1.41 |
| | 024 | F01 | 17 | 9. | 21. | 52. | 57. | 66. | 91. | 114. | 114. | 114. | 58. | 25.26 | 51.48 | 1.82 |
| | 025 | F01 | 13 | 36. | 37. | 50. | 56. | 69. | 82. | 84. | 84. | 84. | 59. | 15.80 | 57.41 | 1.32 |
| | 028 | F01 | 13 | 26. | 49. | 51. | 59. | 69. | 106. | 112. | 112. | 112. | 64. | 23.33 | 60.24 | 1.44 |
| | 029 | F01 | 15 | 46. | 53. | 57. | 64. | 69. | 95. | 142. | 142. | 142. | 69. | 23.14 | 66.51 | 1.31 |
| | 031 | F01 | 16 | 14. | 53. | 58. | 63. | 74. | 84. | 148. | 148. | 148. | 68. | 26.57 | 62.76 | 1.60 |
| 115 Baltimore Co | 002 | F01 | 16 | 13. | 19. | 24. | 31. | 39. | 56. | 71. | 71. | 71. | 35. | 15.64 | 31.84 | 1.56 |
| | 003 | G01 | 16 | 27. | 34. | 41. | 51. | 63. | 69. | 98. | 98. | 98. | 54. | 17.05 | 51.46 | 1.37 |
| | 004 | G01 | 16 | 22. | 30. | 44. | 50. | 53. | 67. | 124. | 124. | 124. | 51. | 22.23 | 47.92 | 1.45 |
| | 006 | F02 | 15 | 19. | 20. | 32. | 39. | 44. | 60. | 102. | 102. | 102. | 43. | 20.37 | 39.36 | 1.53 |
| | 007 | G01 | 15 | 10. | 11. | 17. | 31. | 32. | 37. | 52. | 52. | 52. | 27. | 11.78 | 23.99 | 1.66 |
| 115 Bel Air | 001 | F01 | 16 | 27. | 30. | 35. | 40. | 42. | 46. | 61. | 61. | 61. | 39. | 7.98 | 38.66 | 1.22 |
| 115 Cockeysville | 006 | G01 | 14 | 23. | 33. | 43. | 44. | 49. | 64. | 69. | 69. | 69. | 46. | 11.74 | 44.67 | 1.31 |
| 115 Dundalk | 001 | F01 | 16 | 26. | 31. | 44. | 53. | 59. | 72. | 106. | 106. | 106. | 54. | 18.72 | 51.64 | 1.40 |
| 115 Essex | 001 | G01 | 15 | 7. | 14. | 51. | 57. | 71. | 82. | 92. | 92. | 92. | 55. | 24.47 | 46.65 | 2.03 |
| 115 Howard Co | 003 | F01 | 16 | 3. | 7. | 27. | 33. | 43. | 55. | 98. | 98. | 98. | 36. | 21.56 | 28.90 | 2.34 |
| 115 Lansdowne-Baltimore Highln | 001 | F01 | 16 | 19. | 31. | 58. | 65. | 72. | 87. | 148. | 148. | 148. | 65. | 28.05 | 59.93 | 1.57 |
| 115 Middle River | 002 | G01 | 15 | 11. | 15. | 27. | 39. | 49. | 76. | 81. | 81. | 81. | 41. | 21.81 | 35.24 | 1.80 |
| 115 Riviera Beach | 002 | G01 | 9 | 30. | 30. | 34. | 40. | 54. | 74. | 74. | 74. | 74. | 45. | 14.90 | 42.71 | 1.36 |
| 115 Towson | 002 | G01 | 16 | 17. | 18. | 51. | 59. | 75. | 100. | 114. | 114. | 114. | 61. | 27.82 | 53.47 | 1.76 |
| 115 Westminster | 002 | F01 | 15 | 17. | 19. | 24. | 28. | 29. | 39. | 48. | 48. | 48. | 28. | 8.02 | 27.09 | 1.31 |
| 116 Calvert Co | 005 | F02 | 16 | 11. | 11. | 14. | 18. | 26. | 30. | 32. | 32. | 32. | 20. | 7.02 | 18.64 | 1.44 |
| 116 Charles Co | 001 | F01 | 8 | 15. | 15. | 23. | 25. | 29. | 41. | 41. | 41. | 41. | 27. | 8.26 | 25.64 | 1.37 |
| 116 St Marys Co | 002 | F01 | 13 | 8. | 9. | 15. | 21. | 28. | 31. | 38. | 38. | 38. | 21. | 9.23 | 19.38 | 1.64 |
| **MASSACHUSETTS** | | | | | | | | | | | | | | | | |
| 042 Chicopee | 005 | F01 | 10 | 32. | 32. | 38. | 43. | 45. | 58. | 75. | 75. | 75. | 46. | 12.72 | 44.32 | 1.29 |
| 042 Springfield | 005 | F01 | 10 | 60. | 60. | 77. | 94. | 107. | 145. | 150. | 150. | 150. | 102. | 31.98 | 97.50 | 1.38 |
| 117 Pittsfield | 004 | F01 | 11 | 26. | 26. | 32. | 34. | 39. | 45. | 53. | 53. | 53. | 37. | 8.25 | 35.75 | 1.25 |
| 118 Fitchburg | 003 | F01 | 16 | 17. | 30. | 32. | 38. | 41. | 55. | 64. | 64. | 64. | 39. | 10.46 | 37.16 | 1.33 |
| 118 Worchester | 012 | F01 | 16 | 8. | 45. | 56. | 62. | 70. | 102. | 102. | 102. | 102. | 63. | 21.82 | 56.65 | 1.79 |
| 119 Boston | 002 | F01 | 11 | 66. | 70. | 75. | 90. | 94. | 100. | 105. | 105. | 105. | 85. | 13.88 | 84.41 | 1.18 |
| 119 Cambridge | 004 | F01 | 14 | 36. | 45. | 53. | 58. | 66. | 85. | 90. | 90. | 90. | 61. | 14.98 | 59.14 | 1.28 |
| 119 Medford | 003 | F01 | 10 | 9. | 9. | 56. | 58. | 71. | 81. | 94. | 94. | 94. | 61. | 22.42 | 54.22 | 1.90 |
| 119 Norwood | 001 | F01 | 1 | 41. | 41. | 41. | 41. | 41. | 41. | 41. | 41. | 41. | | | | |
| 119 Quincy | 002 | F01 | 10 | 28. | 28. | 41. | 43. | 43. | 45. | 70. | 70. | 70. | 44. | 10.23 | 43.04 | 1.24 |
| 119 Waltham | 004 | F01 | 13 | 26. | 41. | 47. | 55. | 58. | 73. | 79. | 79. | 79. | 54. | 13.57 | 51.79 | 1.32 |
| 120 Brockton | 003 | F01 | 2 | 39. | 39. | 39. | 39. | 51. | 51. | 51. | 51. | 51. | | | | |
| 120 Fall River | 004 | F01 | 16 | 21. | 21. | 26. | 32. | 36. | 47. | 55. | 55. | 55. | 33. | 9.34 | 31.60 | 1.32 |
| 121 Lowell | 004 | F01 | 15 | 26. | 39. | 45. | 51. | 58. | 81. | 96. | 96. | 96. | 55. | 16.99 | 52.35 | 1.36 |
| **MINNESOTA** | | | | | | | | | | | | | | | | |
| 127 St Cloud | 021 | H01 | 10 | 11. | 11. | 15. | 21. | 26. | 32. | 49. | 49. | 49. | 24. | 11.25 | 21.60 | 1.56 |
| | 024 | H01 | 11 | 6. | 6. | 8. | 8. | 11. | 13. | 15. | 15. | 15. | 9. | 3.27 | 8.39 | 1.42 |
| 128 Rochester | 014 | G01 | 15 | 3. | 3. | 8. | 9. | 17. | 34. | 34. | 34. | 34. | 14. | 10.13 | 10.72 | 2.22 |
| 129 Duluth | 005 | G01 | 10 | 13. | 13. | 21. | 24. | 32. | 36. | 55. | 55. | 55. | 29. | 11.49 | 27.04 | 1.48 |
| | 019 | G01 | 8 | 3. | 3. | 19. | 21. | 41. | 51. | 51. | 51. | 51. | 28. | 17.41 | 20.48 | 2.69 |
| 129 Ely | 002 | F01 | 9 | 3. | 3. | 3. | 3. | 3. | 11. | 11. | 11. | 11. | 4. | 3.47 | 3.46 | 1.86 |
| 129 Hoyt Lakes | 004 | F01 | 11 | 3. | 3. | 3. | 6. | 6. | 15. | 23. | 23. | 23. | 7. | 6.46 | 5.10 | 2.20 |
| | 005 | F01 | 11 | 3. | 3. | 3. | 3. | 6. | 8. | 8. | 8. | 8. | 4. | 2.30 | 3.95 | 1.68 |
| 129 Lake Co | 002 | F01 | 10 | 3. | 3. | 3. | 3. | 3. | 6. | 9. | 9. | 9. | 4. | 2.28 | 3.13 | 1.58 |
| | 003 | F01 | 9 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.54 | 1.00 |
| | 004 | F01 | 6 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |

## NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER NASN SODIUM ARSENITE - ORIFICE, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **MINNESOTA—Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 129 St Louis Co | 003 | G01 | 8 | 6. | 6. | 9. | 9. | 15. | 24. | 24. | 24. | 24. | 13. | 6.72 | 11.31 | 1.66 |
|  | 005 | F01 | 11 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.54 | 1.00 |
|  | 006 | F01 | 11 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.54 | 1.00 |
| 131 Dakota Co | 020 | F02 | 16 | 9. | 9. | 19. | 23. | 41. | 49. | 56. | 56. | 56. | 29. | 14.62 | 25.19 | 1.76 |
| 131 Minneapolis | 007 | H01 | 16 | 17. | 23. | 26. | 28. | 43. | 55. | 58. | 58. | 58. | 35. | 12.34 | 32.71 | 1.42 |
|  | 014 | H01 | 14 | 32. | 34. | 45. | 45. | 53. | 75. | 81. | 81. | 81. | 50. | 14.21 | 48.53 | 1.31 |
|  | 027 | F01 | 15 | 19. | 23. | 34. | 45. | 53. | 66. | 79. | 79. | 79. | 43. | 16.99 | 39.86 | 1.52 |
|  | 047 | F01 | 16 | 24. | 36. | 55. | 62. | 81. | 120. | 122. | 122. | 122. | 70. | 27.47 | 64.48 | 1.52 |
| 131 Richfield | 001 | H02 | 11 | 34. | 43. | 60. | 77. | 88. | 107. | 120. | 120. | 120. | 74. | 27.33 | 69.13 | 1.49 |
|  | 001 | H05 | 12 | 36. | 38. | 45. | 60. | 92. | 115. | 120. | 120. | 120. | 72. | 29.61 | 66.02 | 1.53 |
| 131 St Paul | 003 | H01 | 14 | 15. | 17. | 32. | 45. | 53. | 71. | 75. | 75. | 75. | 45. | 20.15 | 40.11 | 1.71 |
|  | 018 | H01 | 14 | 15. | 17. | 28. | 30. | 41. | 56. | 56. | 56. | 56. | 34. | 13.67 | 30.91 | 1.54 |
|  | 021 | H01 | 14 | 3. | 21. | 36. | 39. | 53. | 68. | 70. | 70. | 70. | 43. | 19.60 | 35.12 | 2.33 |
|  | 030 | H01 | 16 | 3. | 23. | 47. | 51. | 66. | 75. | 109. | 109. | 109. | 54. | 23.66 | 45.16 | 2.32 |
|  | 031 | H01 | 16 | 15. | 34. | 45. | 53. | 73. | 85. | 86. | 86. | 86. | 57. | 19.62 | 52.46 | 1.55 |
| 131 St Paul Park | 006 | F02 | 16 | 21. | 23. | 24. | 26. | 43. | 62. | 68. | 68. | 68. | 35. | 14.97 | 32.60 | 1.47 |
| **MISSISSIPPI** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 005 Vicksburg | 003 | F01 | 16 | 5. | 5. | 8. | 17. | 23. | 42. | 43. | 43. | 43. | 18. | 12.99 | 13.69 | 2.19 |
| 018 De Soto Co | 002 | F01 | 16 | 5. | 5. | 15. | 21. | 35. | 55. | 64. | 64. | 64. | 27. | 19.19 | 20.25 | 2.36 |
| **MISSOURI** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 070 St Louis | 001 | P01 | 14 | 36. | 42. | 55. | 63. | 72. | 92. | 110. | 110. | 110. | 67. | 20.10 | 64.11 | 1.35 |
|  | 072 | P01 | 12 | 35. | 47. | 66. | 71. | 88. | 99. | 120. | 120. | 120. | 76. | 23.30 | 72.17 | 1.40 |
| 094 Independence | 001 | H01 | 15 | 11. | 12. | 14. | 17. | 18. | 22. | 26. | 26. | 26. | 17. | 4.14 | 16.14 | 1.28 |
| 094 Kansas City | 002 | H01 | 14 | 15. | 17. | 19. | 22. | 24. | 26. | 32. | 32. | 32. | 22. | 4.34 | 21.40 | 1.22 |
|  | 018 | H01 | 12 | 7. | 10. | 11. | 14. | 21. | 24. | 28. | 28. | 28. | 16. | 6.57 | 15.00 | 1.53 |
|  | 022 | H01 | 15 | 3. | 3. | 19. | 24. | 27. | 28. | 32. | 32. | 32. | 21. | 8.79 | 17.48 | 2.26 |
| 139 Shannon Co | 002 | P03 | 15 | 3. | 3. | 5. | 6. | 8. | 25. | 27. | 27. | 27. | 9. | 7.65 | 6.45 | 2.17 |
| **MONTANA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 141 Glacier Nat Park | 001 | P03 | 2 | 13. | 13. | 13. | 13. | 21. | 21. | 21. | 21. | 21. |  |  |  |  |
| 143 Daniels Co | 001 | F03 | 7 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |  |  |  |  |
| 143 Mc Cone Co | 001 | F03 | 5 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | .00 | 2.54 | 1.00 |
| 143 Rosebud Co | 003 | F03 | 1 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |  |  |  |  |
| **NEBRASKA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 085 Bellevue | 002 | F01 | 4 | 33. | 33. | 52. | 52. | 54. | 80. | 80. | 80. | 80. |  |  |  |  |
| 085 Omaha | 005 | G01 | 13 | 16. | 21. | 27. | 35. | 37. | 41. | 56. | 56. | 56. | 33. | 10.34 | 31.01 | 1.39 |
|  | 019 | G01 | 10 | 20. | 20. | 29. | 36. | 42. | 57. | 72. | 72. | 72. | 40. | 16.08 | 37.03 | 1.50 |
|  | 024 | G01 | 12 | 43. | 50. | 62. | 68. | 76. | 93. | 121. | 121. | 121. | 71. | 20.85 | 68.77 | 1.32 |
|  | 028 | G01 | 13 | 21. | 22. | 32. | 34. | 54. | 61. | 69. | 69. | 69. | 42. | 15.48 | 38.92 | 1.47 |
|  | 033 | G01 | 13 | 11. | 21. | 33. | 35. | 49. | 64. | 71. | 71. | 71. | 39. | 17.20 | 35.21 | 1.65 |
|  | 034 | P01 | 13 | 6. | 25. | 34. | 39. | 42. | 56. | 63. | 63. | 63. | 38. | 13.80 | 34.41 | 1.78 |
| 145 Lincoln | 002 | P01 | 13 | 3. | 17. | 23. | 31. | 39. | 41. | 47. | 47. | 47. | 30. | 12.21 | 25.14 | 2.14 |
|  | 004 | G01 | 16 | 16. | 21. | 49. | 56. | 68. | 75. | 76. | 76. | 76. | 52. | 20.33 | 47.37 | 1.66 |
| 146 Thomas Co | 001 | P03 | 2 | 3. | 3. | 3. | 3. | 53. | 53. | 53. | 53. | 53. |  |  |  |  |
| **NEW MEXICO** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 012 Bayard | 001 | F01 | 15 | 3. | 3. | 10. | 16. | 19. | 24. | 27. | 27. | 27. | 15. | 7.82 | 11.91 | 2.16 |
| 012 Deming | 001 | F02 | 13 | 11. | 15. | 17. | 24. | 29. | 42. | 47. | 47. | 47. | 25. | 10.31 | 23.59 | 1.51 |
| 012 Grant Co | 001 | F02 | 14 | 3. | 3. | 3. | 3. | 10. | 30. | 41. | 41. | 41. | 10. | 11.76 | 5.79 | 2.71 |
| 012 Lordsburg | 001 | F02 | 15 | 3. | 3. | 8. | 11. | 15. | 29. | 32. | 32. | 32. | 13. | 9.27 | 9.62 | 2.33 |
| 012 Silver City | 001 | F01 | 15 | 3. | 3. | 13. | 18. | 26. | 38. | 52. | 52. | 52. | 20. | 13.98 | 14.94 | 2.45 |
| 014 Aztec | 001 | F02 | 10 | 11. | 11. | 17. | 21. | 24. | 42. | 46. | 46. | 46. | 24. | 11.17 | 22.43 | 1.55 |
| 014 Farmington | 001 | F01 | 7 | 11. | 11. | 19. | 20. | 30. | 79. | 79. | 79. | 79. | 34. | 25.77 | 26.77 | 2.04 |
| 014 San Juan Co | 004 | F02 | 9 | 3. | 3. | 5. | 10. | 20. | 35. | 35. | 35. | 35. | 14. | 11.12 | 9.81 | 2.42 |
|  | 005 | F02 | 11 | 3. | 3. | 3. | 9. | 16. | 16. | 18. | 18. | 18. | 9. | 6.21 | 6.96 | 2.33 |
|  | 014 | F02 | 11 | 3. | 3. | 5. | 7. | 12. | 17. | 26. | 26. | 26. | 9. | 7.20 | 7.08 | 2.24 |
| 153 Dona Ana Co | 001 | F02 | 14 | 3. | 3. | 14. | 17. | 20. | 22. | 28. | 28. | 28. | 16. | 7.44 | 12.88 | 2.14 |
|  | 002 | F02 | 15 | 3. | 6. | 18. | 27. | 28. | 39. | 47. | 47. | 47. | 24. | 11.81 | 20.14 | 2.13 |
|  | 004 | F02 | 14 | 3. | 8. | 13. | 20. | 23. | 28. | 36. | 36. | 36. | 19. | 8.89 | 15.94 | 1.96 |

## NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER NASN SODIUM ARSENITE - ORIFICE, 24 hours

1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **NEW MEXICO—Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 153 Las Cruces | 001 | F01 | 12 | 6. | 8. | 21. | 28. | 32. | 36. | 88. | 88. | 88. | 29. | 21.03 | 23.80 | 2.04 |
| 154 Raton | 001 | F01 | 9 | 14. | 14. | 16. | 21. | 31. | 33. | 33. | 33. | 33. | 22. | 7.74 | 21.00 | 1.41 |
| 155 Artesia | 001 | F01 | 14 | 7. | 11. | 19. | 23. | 29. | 35. | 42. | 42. | 42. | 24. | 9.48 | 21.66 | 1.61 |
| 155 Hobbs | 001 | F01 | 15 | 3. | 3. | 16. | 18. | 21. | 34. | 57. | 57. | 57. | 21. | 13.08 | 16.19 | 2.30 |
| 155 Lovington | 001 | F02 | 15 | 3. | 3. | 12. | 17. | 22. | 30. | 35. | 35. | 35. | 18. | 9.33 | 14.20 | 2.21 |
| 155 Roswell | 004 | F01 | 15 | 3. | 3. | 11. | 17. | 20. | 30. | 32. | 32. | 32. | 16. | 9.50 | 12.09 | 2.41 |
| 156 Socorro | 002 | F01 | 8 | 3. | 3. | 11. | 11. | 13. | 23. | 23. | 23. | 23. | 12. | 5.85 | 10.31 | 1.90 |
| 157 Santa Fe | 001 | F01 | 12 | 3. | 3. | 3. | 3. | 7. | 11. | 21. | 21. | 21. | 6. | 5.45 | 4.34 | 2.07 |
| **NORTH CAROLINA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 136 Burlington | 001 | F02 | 14 | 15. | 15. | 32. | 36. | 47. | 53. | 63. | 63. | 63. | 37. | 15.62 | 33.35 | 1.64 |
| 136 Eden | 002 | F02 | 16 | 17. | 21. | 25. | 30. | 35. | 38. | 46. | 46. | 46. | 30. | 7.53 | 28.72 | 1.30 |
| 136 Forsyth Co | 001 | G01 | 16 | 10. | 12. | 21. | 23. | 27. | 32. | 39. | 39. | 39. | 24. | 7.30 | 22.37 | 1.42 |
|  | 004 | G01 | 16 | 10. | 10. | 18. | 19. | 34. | 42. | 45. | 45. | 45. | 24. | 11.72 | 21.65 | 1.65 |
| 136 Mount Airy | 001 | F02 | 14 | 18. | 29. | 30. | 31. | 46. | 59. | 62. | 62. | 62. | 39. | 12.94 | 36.80 | 1.41 |
| 136 Winston-Salem | 002 | G02 | 16 | 34. | 36. | 41. | 49. | 60. | 75. | 84. | 84. | 84. | 52. | 14.26 | 50.72 | 1.30 |
|  | 009 | G02 | 16 | 21. | 40. | 50. | 56. | 57. | 68. | 74. | 74. | 74. | 53. | 12.29 | 51.28 | 1.33 |
|  | 012 | G01 | 16 | 34. | 38. | 45. | 52. | 60. | 70. | 114. | 114. | 114. | 55. | 18.65 | 53.08 | 1.33 |
| 165 Forest City | 001 | F01 | 10 | 19. | 19. | 28. | 32. | 37. | 51. | 52. | 52. | 52. | 36. | 11.74 | 34.05 | 1.40 |
| 165 Marion | 001 | F01 | 11 | 10. | 10. | 19. | 32. | 50. | 63. | 69. | 69. | 69. | 36. | 21.69 | 28.51 | 2.11 |
| 165 Spruce Pine | 001 | F02 | 15 | 10. | 11. | 20. | 23. | 26. | 42. | 47. | 47. | 47. | 25. | 10.80 | 22.42 | 1.58 |
| 166 Chapel Hill | 003 | F01 | 16 | 15. | 15. | 20. | 29. | 35. | 46. | 47. | 47. | 47. | 29. | 10.80 | 27.40 | 1.47 |
| 166 Raleigh | 003 | F01 | 14 | 20. | 21. | 32. | 33. | 35. | 42. | 63. | 63. | 63. | 35. | 10.19 | 33.54 | 1.32 |
| 166 Roanoke Rapids | 001 | F02 | 7 | 10. | 10. | 17. | 18. | 19. | 35. | 35. | 35. | 35. | 20. | 8.07 | 18.85 | 1.48 |
| 166 Roxboro | 001 | F02 | 15 | 10. | 10. | 10. | 10. | 12. | 21. | 80. | 80. | 80. | 16. | 17.94 | 12.88 | 1.74 |
| 166 Sanford | 001 | F01 | 15 | 17. | 20. | 25. | 29. | 41. | 61. | 163. | 163. | 163. | 43. | 36.23 | 34.94 | 1.79 |
| 167 Charlotte | 001 | G01 | 16 | 31. | 37. | 43. | 48. | 63. | 75. | 77. | 77. | 77. | 53. | 14.39 | 50.73 | 1.32 |
|  | 011 | G01 | 15 | 23. | 23. | 31. | 35. | 50. | 71. | 77. | 77. | 77. | 42. | 17.45 | 38.62 | 1.50 |
|  | 026 | G02 | 16 | 19. | 25. | 33. | 37. | 47. | 62. | 70. | 70. | 70. | 42. | 13.91 | 39.32 | 1.41 |
|  | 028 | G01 | 15 | 26. | 35. | 50. | 58. | 66. | 83. | 94. | 94. | 94. | 59. | 18.07 | 56.06 | 1.40 |
| 167 Davidson | 001 | G01 | 16 | 15. | 20. | 26. | 29. | 31. | 37. | 46. | 46. | 46. | 29. | 7.35 | 27.97 | 1.31 |
| 167 Iredell Co | 001 | F02 | 12 | 14. | 14. | 19. | 23. | 27. | 33. | 35. | 35. | 35. | 24. | 7.04 | 22.59 | 1.37 |
| 167 Kannapolis | 004 | F02 | 15 | 10. | 16. | 28. | 33. | 41. | 58. | 80. | 80. | 80. | 36. | 18.08 | 32.14 | 1.71 |
| 167 Mecklenburg Co | 001 | G01 | 16 | 11. | 13. | 21. | 25. | 29. | 40. | 50. | 50. | 50. | 25. | 10.32 | 23.24 | 1.53 |
|  | 003 | G01 | 15 | 13. | 17. | 20. | 22. | 28. | 33. | 35. | 35. | 35. | 24. | 6.34 | 22.88 | 1.31 |
|  | 006 | G02 | 5 | 18. | 18. | 20. | 22. | 26. | 59. | 59. | 59. | 59. |  |  |  |  |
| 169 Fayetteville | 002 | F01 | 14 | 26. | 27. | 29. | 34. | 44. | 49. | 55. | 55. | 55. | 37. | 9.69 | 36.07 | 1.30 |
| 169 Lumberton | 002 | F01 | 14 | 10. | 17. | 19. | 22. | 26. | 31. | 42. | 42. | 42. | 23. | 7.68 | 21.92 | 1.40 |
| 169 Rockingham | 002 | F01 | 13 | 21. | 22. | 26. | 28. | 32. | 47. | 56. | 56. | 56. | 31. | 10.33 | 30.08 | 1.34 |
| 170 Columbus Co | 002 | F02 | 16 | 10. | 10. | 10. | 10. | 12. | 15. | 17. | 17. | 17. | 11. | 2.09 | 10.97 | 1.18 |
| 170 Goldsboro | 002 | F01 | 13 | 10. | 15. | 19. | 21. | 25. | 33. | 43. | 43. | 43. | 23. | 8.38 | 21.60 | 1.44 |
| 170 New Bern | 001 | F01 | 14 | 11. | 12. | 17. | 21. | 26. | 38. | 40. | 40. | 40. | 23. | 9.48 | 20.81 | 1.54 |
| 170 Wilmington | 002 | F01 | 16 | 10. | 11. | 14. | 18. | 21. | 27. | 29. | 29. | 29. | 19. | 5.91 | 17.73 | 1.39 |
| 171 Asheville | 003 | I01 | 15 | 10. | 22. | 33. | 39. | 57. | 86. | 90. | 90. | 90. | 46. | 22.73 | 40.02 | 1.75 |
|  | 004 | I02 | 15 | 12. | 29. | 41. | 57. | 84. | 102. | 113. | 113. | 113. | 61. | 31.29 | 52.68 | 1.86 |
|  | 005 | I01 | 16 | 10. | 10. | 22. | 37. | 57. | 79. | 96. | 96. | 96. | 42. | 24.16 | 34.75 | 1.93 |
| 171 Buncombe Co | 021 | I01 | 13 | 10. | 10. | 14. | 41. | 71. | 80. | 96. | 96. | 96. | 43. | 30.45 | 32.09 | 2.39 |
| 171 Canton | 002 | I02 | 16 | 14. | 14. | 22. | 33. | 61. | 76. | 92. | 92. | 92. | 43. | 23.93 | 36.47 | 1.83 |
| 171 Haywood Co | 006 | I02 | 16 | 10. | 10. | 29. | 37. | 41. | 67. | 78. | 78. | 78. | 37. | 18.27 | 31.94 | 1.77 |
| 171 Hendersonville | 003 | F02 | 12 | 15. | 22. | 25. | 27. | 39. | 44. | 83. | 83. | 83. | 34. | 17.58 | 31.27 | 1.54 |
| 171 Jackson Co | 002 | F02 | 13 | 10. | 10. | 11. | 14. | 17. | 25. | 40. | 40. | 40. | 17. | 8.36 | 15.31 | 1.50 |
| **NORTH DAKOTA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 130 Fargo | 001 | F01 | 16 | 3. | 7. | 13. | 18. | 33. | 38. | 38. | 38. | 38. | 22. | 12.01 | 17.70 | 2.09 |
| 172 Bismarck | 001 | F01 | 16 | 7. | 12. | 15. | 18. | 22. | 31. | 39. | 39. | 39. | 20. | 8.13 | 18.71 | 1.51 |
|  | 002 | F01 | 16 | 3. | 3. | 5. | 11. | 14. | 15. | 15. | 15. | 15. | 10. | 4.41 | 8.45 | 1.82 |
| 172 Burleigh Co | 001 | F03 | 16 | 3. | 3. | 3. | 5. | 9. | 13. | 14. | 14. | 14. | 6. | 3.87 | 5.15 | 1.90 |
| 172 Dunn Co | 002 | F03 | 16 | 3. | 3. | 3. | 3. | 3. | 5. | 13. | 13. | 13. | 4. | 2.70 | 3.23 | 1.62 |
| 172 Grant Co | 001 | F03 | 16 | 3. | 3. | 3. | 3. | 3. | 3. | 11. | 11. | 11. | 3. | 2.12 | 2.76 | 1.45 |
| 172 Hettinger Co | 001 | F03 | 16 | 3. | 3. | 3. | 3. | 5. | 12. | 13. | 13. | 13. | 5. | 3.31 | 4.19 | 1.79 |
| 172 Mc Kenzie Co | 001 | F03 | 15 | 3. | 9. | 12. | 15. | 23. | 49. | 58. | 58. | 58. | 21. | 15.81 | 16.58 | 2.17 |
| 172 Mc Lean Co | 002 | F03 | 16 | 3. | 3. | 3. | 3. | 3. | 5. | 5. | 5. | 5. | 3. | 1.02 | 2.78 | 1.31 |
| 172 Mandan | 001 | F01 | 16 | 3. | 3. | 15. | 19. | 25. | 28. | 52. | 52. | 52. | 20. | 11.62 | 15.84 | 2.24 |
| 172 Mercer Co | 001 | F01 | 15 | 5. | 7. | 10. | 15. | 20. | 23. | 38. | 38. | 38. | 16. | 8.26 | 14.09 | 1.69 |
|  | 002 | F03 | 16 | 3. | 3. | 3. | 3. | 5. | 7. | 9. | 9. | 9. | 5. | 2.32 | 4.05 | 1.66 |
| 172 Oliver Co | 001 | F03 | 15 | 3. | 3. | 3. | 7. | 7. | 9. | 12. | 12. | 12. | 6. | 3.00 | 5.36 | 1.78 |

# NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
# GAS BUBBLER NASN SODIUM ARSENITE - ORIFICE, 24 hours

## 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles 10 | 30 | 50 | 70 | 90 | 95 | 99 | Max. obs. | Arithmetic Mean | Arithmetic Std. dev. | Geometric Mean | Geometric Std. dev. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NORTH DAKOTA—Cont.** | | | | | | | | | | | | | | | | |
| 172 Stark Co | 001 | F03 | 15 | 3. | 3. | 5. | 5. | 9. | 14. | 17. | 17. | 17. | 8. | 4.08 | 6.82 | 1.73 |
| **OHIO** | | | | | | | | | | | | | | | | |
| 173 Kettering | 002 | G01 | 4 | 33. | 33. | 60. | 60. | 62. | 70. | 70. | 70. | 70. | | | | |
| **OKLAHOMA** | | | | | | | | | | | | | | | | |
| 184 Edmond | 016 | F02 | 15 | 12. | 13. | 27. | 32. | 40. | 43. | 53. | 53. | 53. | 31. | 11.82 | 28.86 | 1.56 |
| 184 Midwest City | 006 | F01 | 14 | 13. | 14. | 26. | 27. | 36. | 51. | 56. | 56. | 56. | 31. | 12.39 | 28.58 | 1.53 |
| 184 Oklahoma City | 001 | F02 | 15 | 17. | 24. | 34. | 41. | 47. | 59. | 66. | 66. | 66. | 41. | 13.35 | 38.93 | 1.44 |
| | 002 | F02 | 14 | 5. | 5. | 15. | 17. | 19. | 32. | 36. | 36. | 36. | 18. | 9.84 | 15.01 | 1.95 |
| | 015 | F02 | 8 | 28. | 28. | 39. | 41. | 45. | 64. | 64. | 64. | 64. | 44. | 10.61 | 42.53 | 1.27 |
| | 018 | F02 | 13 | 5. | 12. | 42. | 49. | 60. | 62. | 81. | 81. | 81. | 47. | 20.44 | 39.58 | 2.16 |
| | 021 | F03 | 12 | 3. | 11. | 22. | 23. | 29. | 37. | 66. | 66. | 66. | 26. | 15.59 | 20.91 | 2.22 |
| **OREGON** | | | | | | | | | | | | | | | | |
| 193 Portland | 001 | P01 | 16 | 40. | 48. | 56. | 62. | 79. | 92. | 94. | 94. | 94. | 66. | 15.87 | 64.35 | 1.28 |
| **RHODE ISLAND** | | | | | | | | | | | | | | | | |
| 120 Providence | 007 | F01 | 14 | 49. | 70. | 74. | 77. | 100. | 148. | 180. | 180. | 180. | 94. | 35.17 | 88.53 | 1.41 |
| | 011 | F01 | 14 | 36. | 42. | 50. | 51. | 61. | 75. | 83. | 83. | 83. | 55. | 13.75 | 53.92 | 1.27 |
| 120 Washington Co | 002 | F03 | 16 | 9. | 9. | 9. | 11. | 17. | 31. | 31. | 31. | 31. | 15. | 7.97 | 13.66 | 1.60 |
| **SOUTH CAROLINA** | | | | | | | | | | | | | | | | |
| 053 Aiken | 001 | F01 | 5 | 22. | 22. | 25. | 27. | 32. | 34. | 34. | 34. | 34. | | | | |
| 053 Aiken Co | 001 | F01 | 5 | 29. | 29. | 32. | 32. | 33. | 55. | 55. | 55. | 55. | | | | |
| 053 North Augusta | 001 | F01 | 5 | 25. | 25. | 44. | 50. | 52. | 54. | 54. | 54. | 54. | | | | |
| 053 Orangeburg | 001 | F01 | 5 | 18. | 18. | 23. | 27. | 27. | 30. | 30. | 30. | 30. | | | | |
| 167 Lancaster | 001 | F01 | 5 | 23. | 23. | 25. | 31. | 31. | 32. | 32. | 32. | 32. | | | | |
| 167 Rock Hill | 001 | F01 | 4 | 22. | 22. | 28. | 28. | 33. | 39. | 39. | 39. | 39. | | | | |
| | 002 | F01 | 5 | 23. | 23. | 34. | 49. | 61. | 66. | 66. | 66. | 66. | | | | |
| 167 York Co | 001 | F03 | 5 | 11. | 11. | 18. | 19. | 20. | 25. | 25. | 25. | 25. | | | | |
| 198 Camden | 001 | F01 | 5 | 3. | 3. | 17. | 23. | 24. | 32. | 32. | 32. | 32. | | | | |
| 198 Sumter | 001 | F01 | 5 | 24. | 24. | 28. | 29. | 31. | 33. | 33. | 33. | 33. | | | | |
| | 003 | F01 | 5 | 22. | 22. | 23. | 24. | 24. | 26. | 26. | 26. | 26. | | | | |
| 199 Berkeley Co | 001 | F01 | 1 | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | 13. | | | | |
| 199 Charleston | 001 | G01 | 1 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 199 Charleston Co | 003 | F02 | 1 | 21. | 21. | 21. | 21. | 21. | 21. | 21. | 21. | 21. | | | | |
| | 037 | F01 | 1 | 30. | 30. | 30. | 30. | 30. | 30. | 30. | 30. | 30. | | | | |
| | 038 | F01 | 2 | 42. | 42. | 42. | 42. | 48. | 48. | 48. | 48. | 48. | | | | |
| 199 Goose Creek | 001 | F01 | 1 | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | | | | |
| 199 Mount Pleasant | 001 | F01 | 1 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 200 Columbia | 003 | F01 | 5 | 26. | 26. | 33. | 35. | 36. | 46. | 46. | 46. | 46. | | | | |
| | 006 | F01 | 5 | 14. | 14. | 23. | 25. | 39. | 48. | 48. | 48. | 48. | | | | |
| 200 Newberry | 001 | F01 | 5 | 18. | 18. | 18. | 19. | 24. | 45. | 45. | 45. | 45. | | | | |
| 200 Richland Co | 002 | F03 | 5 | 3. | 3. | 3. | 10. | 14. | 18. | 18. | 18. | 18. | | | | |
| 200 West Columbia | 001 | F01 | 5 | 32. | 32. | 33. | 40. | 41. | 42. | 42. | 42. | 42. | | | | |
| 201 Florence | 001 | F01 | 5 | 3. | 3. | 21. | 21. | 29. | 30. | 30. | 30. | 30. | | | | |
| 202 Anderson | 001 | F01 | 5 | 17. | 17. | 33. | 35. | 36. | 46. | 46. | 46. | 46. | | | | |
| 202 Greenville | 001 | F01 | 5 | 35. | 35. | 36. | 49. | 53. | 64. | 64. | 64. | 64. | | | | |
| | 002 | F01 | 5 | 34. | 34. | 42. | 49. | 56. | 65. | 65. | 65. | 65. | | | | |
| 202 Greenville Co | 003 | F03 | 1 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 202 Greer | 002 | F01 | 4 | 25. | 25. | 53. | 53. | 59. | 59. | 59. | 59. | 59. | | | | |
| 202 Pickens | 001 | F01 | 5 | 39. | 39. | 46. | 51. | 52. | 58. | 58. | 58. | 58. | | | | |
| 202 Simpsonville | 001 | F01 | 5 | 3. | 3. | 25. | 28. | 40. | 42. | 42. | 42. | 42. | | | | |
| 202 Spartanburg | 001 | F01 | 3 | 3. | 3. | 3. | 34. | 123. | 123. | 123. | 123. | 123. | | | | |
| | 006 | F01 | 5 | 3. | 3. | 24. | 27. | 40. | 57. | 57. | 57. | 57. | | | | |
| 202 Spartanburg Co | 004 | F01 | 5 | 18. | 18. | 33. | 48. | 51. | 75. | 75. | 75. | 75. | | | | |
| 202 Woodruff | 001 | F01 | 4 | 3. | 3. | 3. | 3. | 12. | 20. | 20. | 20. | 20. | | | | |
| 203 Greenwood | 001 | F01 | 5 | 21. | 21. | 27. | 29. | 32. | 43. | 43. | 43. | 43. | | | | |
| 203 Laurens | 001 | F01 | 5 | 31. | 31. | 33. | 35. | 43. | 44. | 44. | 44. | 44. | | | | |
| 204 Conway | 006 | F01 | 5 | 10. | 10. | 11. | 12. | 14. | 14. | 14. | 14. | 14. | | | | |
| 204 Georgetown | 001 | F01 | 5 | 18. | 18. | 27. | 33. | 33. | 37. | 37. | 37. | 37. | | | | |

## NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER NASN SODIUM ARSENITE - ORIFICE, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **SOUTH CAROLINA—Cont.** | | | | | | | | | | | | | | | | |
| | 006 | F01 | 5 | 18. | 18. | 25. | 25. | 26. | 36. | 36. | 36. | 36. | | | | |
| **SOUTH DAKOTA** | | | | | | | | | | | | | | | | |
| 205 Black Hills Nat Forest | 001 | P03 | 3 | 7. | 7. | 7. | 15. | 29. | 29. | 29. | 29. | 29. | | | | |
| **TENNESSEE** | | | | | | | | | | | | | | | | |
| 007 Marion Co | 001 | F01 | 3 | 15. | 15. | 15. | 17. | 28. | 28. | 28. | 28. | 28. | | | | |
| 007 Tullahoma | 002 | F01 | 5 | 3. | 3. | 13. | 19. | 23. | 30. | 30. | 30. | 30. | 17. | 10.35 | 13.36 | 2.65 |
| 018 Memphis | 013 | G01 | 16 | 67. | 68. | 78. | 85. | 97. | 163. | 227. | 227. | 227. | 98. | 41.45 | 92.53 | 1.38 |
| | 016 | G01 | 15 | 24. | 28. | 45. | 56. | 67. | 107. | 126. | 126. | 126. | 62. | 28.29 | 56.02 | 1.57 |
| | 018 | G01 | 16 | 50. | 52. | 61. | 71. | 78. | 108. | 145. | 145. | 145. | 76. | 23.52 | 72.75 | 1.31 |
| | 021 | G01 | 16 | 34. | 40. | 50. | 59. | 64. | 121. | 126. | 126. | 126. | 66. | 26.59 | 61.43 | 1.43 |
| | 022 | G01 | 16 | 33. | 42. | 48. | 54. | 67. | 111. | 119. | 119. | 119. | 62. | 24.24 | 58.40 | 1.42 |
| | 023 | G01 | 15 | 35. | 40. | 48. | 70. | 90. | 148. | 167. | 167. | 167. | 78. | 39.63 | 69.80 | 1.61 |
| | 024 | G01 | 16 | 26. | 46. | 59. | 71. | 95. | 166. | 167. | 167. | 167. | 88. | 43.56 | 78.31 | 1.65 |
| 018 Shelby Co | 002 | G01 | 15 | 22. | 28. | 34. | 51. | 54. | 83. | 166. | 166. | 166. | 55. | 35.12 | 48.03 | 1.66 |
| 055 Chattanooga | 006 | G01 | 14 | 22. | 33. | 49. | 68. | 78. | 108. | 113. | 113. | 113. | 65. | 26.95 | 59.53 | 1.60 |
| | 015 | G01 | 15 | 13. | 30. | 40. | 49. | 58. | 78. | 78. | 78. | 78. | 50. | 17.66 | 46.07 | 1.56 |
| | 017 | G01 | 15 | 9. | 12. | 17. | 20. | 25. | 31. | 37. | 37. | 37. | 21. | 7.66 | 19.82 | 1.46 |
| | 019 | G01 | 15 | 24. | 30. | 43. | 50. | 61. | 76. | 96. | 96. | 96. | 53. | 19.61 | 49.99 | 1.47 |
| | 020 | G01 | 13 | 22. | 31. | 34. | 43. | 63. | 77. | 82. | 82. | 82. | 50. | 18.85 | 46.26 | 1.49 |
| | 021 | G01 | 15 | 8. | 8. | 16. | 25. | 32. | 62. | 79. | 79. | 79. | 30. | 20.56 | 23.99 | 1.99 |
| | 024 | G01 | 15 | 20. | 23. | 39. | 44. | 57. | 74. | 76. | 76. | 76. | 48. | 17.60 | 44.71 | 1.49 |
| 055 East Ridge | 001 | G01 | 15 | 17. | 19. | 32. | 52. | 58. | 80. | 82. | 82. | 82. | 48. | 23.10 | 41.84 | 1.74 |
| 055 Hamilton Co | 002 | G01 | 16 | 18. | 37. | 51. | 65. | 72. | 83. | 92. | 92. | 92. | 62. | 18.32 | 58.47 | 1.48 |
| 055 Red Bank | 003 | G01 | 15 | 31. | 37. | 43. | 49. | 58. | 72. | 85. | 85. | 85. | 52. | 14.89 | 50.31 | 1.32 |
| 055 Signal Mountain | 001 | G01 | 16 | 10. | 11. | 20. | 29. | 32. | 37. | 40. | 40. | 40. | 26. | 9.27 | 24.28 | 1.52 |
| 207 Chattanooga | 025 | G01 | 16 | 20. | 33. | 46. | 53. | 76. | 90. | 109. | 109. | 109. | 60. | 22.85 | 55.82 | 1.52 |
| 207 Clinton | 002 | F01 | 7 | 9. | 9. | 28. | 34. | 38. | 51. | 51. | 51. | 51. | 32. | 13.07 | 28.82 | 1.73 |
| 207 Johnson City | 002 | F01 | 13 | 17. | 24. | 34. | 36. | 43. | 49. | 53. | 53. | 53. | 37. | 10.13 | 35.68 | 1.37 |
| 207 Kingsport | 001 | F01 | 6 | 39. | 39. | 41. | 41. | 51. | 53. | 53. | 53. | 53. | 46. | 5.66 | 45.46 | 1.13 |
| 207 Knox Co | 012 | G01 | 13 | 6. | 12. | 16. | 20. | 27. | 30. | 32. | 32. | 32. | 21. | 7.47 | 19.56 | 1.57 |
| | 014 | G03 | 13 | 7. | 10. | 12. | 18. | 23. | 31. | 37. | 37. | 37. | 19. | 8.67 | 16.99 | 1.60 |
| | 019 | G01 | 14 | 8. | 18. | 21. | 22. | 29. | 37. | 39. | 39. | 39. | 25. | 8.20 | 23.36 | 1.48 |
| 207 Knoxville | 003 | G01 | 16 | 29. | 34. | 39. | 46. | 65. | 75. | 75. | 75. | 75. | 52. | 15.95 | 49.68 | 1.37 |
| | 005 | G01 | 15 | 50. | 52. | 61. | 68. | 87. | 127. | 133. | 133. | 133. | 77. | 25.65 | 74.05 | 1.35 |
| | 006 | G01 | 16 | 18. | 24. | 29. | 35. | 54. | 57. | 63. | 63. | 63. | 39. | 13.85 | 36.73 | 1.44 |
| | 007 | G01 | 14 | 33. | 35. | 38. | 42. | 60. | 68. | 76. | 76. | 76. | 49. | 14.56 | 47.38 | 1.34 |
| | 008 | G01 | 12 | 27. | 33. | 45. | 61. | 72. | 83. | 89. | 89. | 89. | 59. | 19.70 | 55.30 | 1.45 |
| 207 Morristown | 002 | F01 | 15 | 9. | 13. | 24. | 30. | 39. | 45. | 47. | 47. | 47. | 31. | 11.53 | 28.10 | 1.58 |
| 207 Rockwood | 002 | F01 | 10 | 15. | 15. | 32. | 32. | 36. | 53. | 58. | 58. | 58. | 37. | 13.16 | 35.15 | 1.47 |
| 208 Columbia | 002 | F01 | 13 | 11. | 13. | 28. | 39. | 45. | 58. | 58. | 58. | 58. | 37. | 14.98 | 33.57 | 1.67 |
| 208 Humphreys Co | 014 | F02 | 15 | 3. | 8. | 9. | 15. | 23. | 26. | 34. | 34. | 34. | 16. | 8.59 | 13.59 | 1.94 |
| 208 Nashville | 002 | G01 | 16 | 6. | 32. | 38. | 52. | 101. | 108. | 251. | 251. | 251. | 74. | 56.71 | 56.57 | 2.27 |
| | 004 | G01 | 16 | 31. | 31. | 42. | 49. | 55. | 93. | 192. | 192. | 192. | 60. | 39.51 | 52.57 | 1.61 |
| | 006 | G01 | 15 | 46. | 46. | 66. | 76. | 106. | 117. | 243. | 243. | 243. | 90. | 48.46 | 81.81 | 1.54 |
| | 011 | G01 | 16 | 35. | 37. | 47. | 56. | 78. | 90. | 197. | 197. | 197. | 68. | 38.41 | 61.56 | 1.54 |
| | 012 | G01 | 14 | 16. | 17. | 23. | 32. | 37. | 69. | 103. | 103. | 103. | 38. | 24.26 | 32.15 | 1.75 |
| | 015 | G01 | 14 | 18. | 27. | 40. | 44. | 60. | 88. | 178. | 178. | 178. | 59. | 39.79 | 49.98 | 1.77 |
| | 016 | G01 | 15 | 3. | 3. | 15. | 34. | 37. | 59. | 69. | 69. | 69. | 30. | 20.94 | 20.05 | 3.00 |
| | 017 | G01 | 16 | 3. | 19. | 37. | 43. | 64. | 80. | 135. | 135. | 135. | 51. | 31.01 | 40.05 | 2.43 |
| | 018 | G01 | 5 | 13. | 13. | 21. | 37. | 53. | 54. | 54. | 54. | 54. | | | | |
| | 019 | G03 | 16 | 8. | 8. | 16. | 19. | 30. | 94. | 99. | 99. | 99. | 31. | 27.52 | 23.60 | 2.08 |
| | 020 | G01 | 15 | 8. | 9. | 11. | 15. | 17. | 41. | 60. | 60. | 60. | 20. | 14.25 | 16.55 | 1.79 |
| | 023 | G01 | 16 | 28. | 32. | 48. | 55. | 62. | 96. | 225. | 225. | 225. | 66. | 46.51 | 57.55 | 1.66 |
| | 024 | G01 | 15 | 6. | 8. | 37. | 48. | 57. | 79. | 116. | 116. | 116. | 48. | 28.51 | 38.45 | 2.25 |
| | 025 | G01 | 10 | 21. | 21. | 32. | 47. | 51. | 83. | 91. | 91. | 91. | 50. | 22.30 | 45.57 | 1.56 |
| 208 Sumner Co | 007 | F01 | 13 | 13. | 17. | 28. | 34. | 39. | 53. | 58. | 58. | 58. | 34. | 12.56 | 31.80 | 1.51 |
| 209 Camden | 001 | F01 | 14 | 3. | 3. | 17. | 19. | 26. | 36. | 49. | 49. | 49. | 21. | 13.04 | 15.93 | 2.48 |
| **UTAH** | | | | | | | | | | | | | | | | |
| 220 Salt Lake City | 001 | P01 | 3 | 339. | 339. | 339. | 441. | 530. | 530. | 530. | 530. | 530. | | | | |

## NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER NASN SODIUM ARSENITE - ORIFICE, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **WASHINGTON** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 062 Spokane | 001 | P01 | 18 | 28. | 29. | 31. | 38. | 50. | 67. | 108. | 108. | 108. | 46. | 20.23 | 42.67 | 1.46 |
| 229 Seattle | 001 | P01 | 16 | 50. | 64. | 72. | 74. | 84. | 91. | 106. | 106. | 106. | 77. | 12.62 | 76.42 | 1.18 |
| 229 Tacoma | 001 | P01 | 16 | 25. | 30. | 37. | 47. | 49. | 66. | 78. | 78. | 78. | 46. | 13.69 | 44.03 | 1.35 |
| **WISCONSIN** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 237 Neenah | 999 | F05 | 27 | 10. | 10. | 10. | 27. | 32. | 39. | 44. | 50. | 50. | 25. | 12.20 | 21.68 | 1.79 |
| 239 Kenosha | 999 | F05 | 18 | 10. | 25. | 34. | 36. | 57. | 72. | 73. | 73. | 73. | 44. | 18.06 | 39.79 | 1.62 |
| 239 Milwaukee | 040 | F01 | 10 | 10. | 10. | 10. | 39. | 51. | 77. | 93. | 93. | 93. | 44. | 28.77 | 33.06 | 2.39 |
|  | 044 | F01 | 10 | 27. | 27. | 37. | 49. | 70. | 93. | 104. | 104. | 104. | 60. | 27.52 | 54.44 | 1.60 |
|  | 045 | F01 | 9 | 45. | 45. | 51. | 68. | 101. | 136. | 136. | 136. | 136. | 80. | 35.31 | 73.14 | 1.54 |
|  | 099 | F01 | 11 | 56. | 65. | 75. | 83. | 85. | 108. | 108. | 108. | 108. | 84. | 17.59 | 81.95 | 1.24 |
| 240 Madison | 998 | F05 | 15 | 10. | 10. | 40. | 47. | 51. | 59. | 76. | 76. | 76. |  |  |  |  |
| **WYOMING** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 241 Casper | 001 | F01 | 14 | 5. | 5. | 10. | 12. | 14. | 32. | 48. | 48. | 48. | 16. | 11.75 | 12.97 | 1.89 |
| 241 Converse Co | 004 | F03 | 13 | 3. | 3. | 3. | 5. | 6. | 9. | 10. | 10. | 10. | 5. | 2.65 | 4.23 | 1.72 |
| 242 Cheyenne | 001 | F01 | 16 | 3. | 9. | 20. | 25. | 35. | 42. | 47. | 47. | 47. | 26. | 12.74 | 21.36 | 2.09 |
| 242 Goshen Co | 001 | F03 | 10 | 3. | 3. | 3. | 5. | 9. | 15. | 17. | 17. | 17. | 7. | 5.55 | 5.63 | 2.21 |
| 242 Platte Co | 001 | F03 | 14 | 3. | 3. | 3. | 3. | 3. | 5. | 6. | 6. | 6. | 3. | 1.11 | 2.80 | 1.33 |
| 243 Rock Springs | 001 | F01 | 15 | 17. | 20. | 24. | 26. | 30. | 34. | 47. | 47. | 47. | 27. | 6.98 | 26.54 | 1.27 |
| 243 Weston Co | 001 | F03 | 15 | 3. | 3. | 3. | 3. | 5. | 6. | 8. | 8. | 8. | 4. | 1.75 | 3.29 | 1.52 |
| 243 Yellowstone Nat Park | 001 | F03 | 2 | 14. | 14. | 14. | 14. | 18. | 18. | 18. | 18. | 18. |  |  |  |  |

# NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
# GAS BUBBLER NASN SODIUM ARSENITE - FRIT, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **ILLINOIS** | | | | | | | | | | | | | | | | |
| 065 East Peoria | 003 | F01 | 7 | 13. | 13. | 36. | 36. | 49. | 68. | 68. | 68. | 68. | 40. | 17.80 | 36.26 | 1.71 |
| 065 Galesburg | 002 | F01 | 10 | 19. | 19. | 28. | 34. | 38. | 39. | 41. | 41. | 41. | 33. | 7.73 | 31.55 | 1.31 |
| 065 Peoria | 023 | F01 | 6 | 24. | 24. | 43. | 45. | 51. | 60. | 60. | 60. | 60. | | | | |
| | 027 | F01 | 5 | 23. | 23. | 32. | 34. | 39. | 83. | 83. | 83. | 83. | | | | |
| | [illegible] | F01 | 8 | 28. | 28. | 45. | 51. | 68. | 70. | 70. | 70. | 70. | 54. | 15.60 | 51.31 | 1.39 |
| 066 Bloomington | 001 | F01 | 11 | 26. | 26. | 30. | 34. | 41. | 45. | 58. | 58. | 58. | 37. | 9.60 | 35.88 | 1.28 |
| 066 Champaign | 002 | F01 | 9 | 8. | 8. | 17. | 26. | 39. | 55. | 55. | 55. | 55. | 30. | 15.80 | 25.65 | 1.87 |
| 066 Danville | 002 | F01 | 3 | 3. | 3. | 3. | 15. | 32. | 32. | 32. | 32. | 32. | | | | |
| 067 Bensenville | 002 | F01 | 10 | 19. | 19. | 41. | 43. | 62. | 81. | 83. | 83. | 83. | 52. | 20.24 | 48.32 | 1.55 |
| 067 Blue Island | 001 | G01 | 29 | 32. | 45. | 62. | 70. | 83. | 103. | 103. | 124. | 124. | 74. | 21.37 | 71.27 | 1.35 |
| 067 Calumet City | 001 | G01 | 27 | 24. | 39. | 49. | 68. | 77. | 85. | 88. | 111. | 111. | 63. | 20.07 | 60.14 | 1.41 |
| 067 Chicago | 003 | H01 | 15 | 15. | 26. | 47. | 71. | 88. | 113. | 120. | 120. | 120. | 71. | 32.89 | 61.98 | 1.81 |
| | 004 | H01 | 16 | 43. | 43. | 56. | 85. | 103. | 135. | 145. | 145. | 145. | 86. | 34.10 | 79.07 | 1.52 |
| | 005 | H01 | 14 | 56. | 58. | 75. | 79. | 98. | 154. | 162. | 162. | 162. | 91. | 33.20 | 86.59 | 1.40 |
| | 007 | H01 | 16 | 38. | 38. | 64. | 79. | 86. | 109. | 135. | 135. | 135. | 78. | 25.50 | 73.76 | 1.42 |
| | 009 | H01 | 15 | 38. | 41. | 56. | 60. | 71. | 88. | 118. | 118. | 118. | 65. | 20.30 | 62.68 | 1.34 |
| | 010 | H01 | 16 | 38. | 38. | 47. | 53. | 60. | 73. | 86. | 86. | 86. | 55. | 13.31 | 54.05 | 1.26 |
| | 011 | H01 | 16 | 43. | 47. | 56. | 66. | 86. | 105. | 118. | 118. | 118. | 73. | 22.54 | 69.97 | 1.36 |
| | 012 | H01 | 16 | 43. | 51. | 68. | 77. | 100. | 109. | 145. | 145. | 145. | 84. | 25.88 | 80.43 | 1.37 |
| | 015 | H01 | 16 | 47. | 49. | 66. | 77. | 90. | 117. | 154. | 154. | 154. | 83. | 27.41 | 79.17 | 1.37 |
| | 016 | H01 | 16 | 34. | 45. | 60. | 66. | 81. | 111. | 117. | 117. | 117. | 72. | 22.73 | 69.04 | 1.38 |
| | 017 | H01 | 16 | 34. | 45. | 53. | 60. | 73. | 88. | 128. | 128. | 128. | 65. | 21.60 | 62.34 | 1.36 |
| | 018 | H01 | 16 | 39. | 39. | 53. | 55. | 68. | 120. | 141. | 141. | 141. | 66. | 27.99 | 62.10 | 1.42 |
| | 020 | H01 | 16 | 19. | 28. | 41. | 53. | 75. | 96. | 107. | 107. | 107. | 58. | 25.12 | 52.47 | 1.60 |
| | 021 | H01 | 16 | 39. | 45. | 62. | 71. | 88. | 115. | 124. | 124. | 124. | 77. | 25.36 | 72.67 | 1.40 |
| | 022 | H01 | 16 | 32. | 38. | 53. | 56. | 66. | 79. | 122. | 122. | 122. | 61. | 20.52 | 58.00 | 1.36 |
| | 025 | H01 | 16 | 15. | 28. | 53. | 60. | 77. | 92. | 150. | 150. | 150. | 65. | 30.29 | 57.89 | 1.68 |
| | 030 | H01 | 15 | 38. | 39. | 43. | 62. | 71. | 96. | 133. | 133. | 133. | 65. | 26.40 | 61.11 | 1.45 |
| | 031 | H01 | 16 | 13. | 26. | 45. | 56. | 70. | 105. | 141. | 141. | 141. | 61. | 30.39 | 54.13 | 1.73 |
| | 032 | H01 | 15 | 24. | 24. | 28. | 45. | 60. | 92. | 132. | 132. | 132. | 52. | 30.18 | 45.53 | 1.69 |
| | 034 | H01 | 11 | 23. | 28. | 36. | 49. | 60. | 75. | 90. | 90. | 90. | 50. | 20.87 | 46.16 | 1.54 |
| | 036 | H01 | 15 | 43. | 53. | 75. | 83. | 92. | 122. | 135. | 135. | 135. | 84. | 24.15 | 80.81 | 1.35 |
| | 037 | H01 | 13 | 60. | 62. | 70. | 83. | 85. | 109. | 124. | 124. | 124. | 82. | 18.45 | 80.53 | 1.24 |
| 067 Chicago Heights | 001 | G01 | 30 | 21. | 26. | 49. | 64. | 77. | 103. | 113. | 113. | 113. | 65. | 25.76 | 59.43 | 1.57 |
| 067 Cicero | 001 | G01 | 31 | 45. | 62. | 75. | 81. | 92. | 117. | 137. | 149. | 149. | 85. | 24.08 | 81.73 | 1.33 |
| 067 Des Plaines | 001 | G01 | 31 | 23. | 49. | 64. | 70. | 83. | 103. | 128. | 133. | 133. | 75. | 24.64 | 70.85 | 1.43 |
| 067 Flossmoor | 001 | G01 | 31 | 23. | 38. | 49. | 64. | 73. | 94. | 102. | 152. | 152. | 65. | 26.42 | 60.47 | 1.50 |
| 067 Harvey | 001 | G01 | 30 | 32. | 41. | 66. | 77. | 92. | 115. | 128. | 135. | 135. | 82. | 26.70 | 76.95 | 1.43 |
| 067 Hillside | 001 | G01 | 30 | 34. | 47. | 60. | 68. | 94. | 109. | 122. | 130. | 130. | 76. | 24.97 | 72.48 | 1.40 |
| 067 Joliet | 002 | G01 | 9 | 32. | 32. | 34. | 36. | 39. | 47. | 47. | 47. | 47. | 37. | 5.21 | 36.87 | 1.14 |
| 067 Lockport | 002 | G01 | 11 | 21. | 26. | 30. | 30. | 32. | 39. | 92. | 92. | 92. | 36. | 19.26 | 32.93 | 1.46 |
| 067 Morton Grove | 001 | G01 | 29 | 30. | 38. | 62. | 79. | 92. | 122. | 122. | 133. | 133. | 79. | 27.67 | 73.44 | 1.47 |
| 067 Oak Park | 002 | G01 | 31 | 32. | 49. | 71. | 79. | 98. | 115. | 149. | 154. | 154. | 85. | 29.44 | 79.57 | 1.44 |
| 067 Park Forest | 001 | G01 | 30 | 19. | 26. | 43. | 60. | 77. | 98. | 107. | 149. | 149. | 64. | 28.44 | 58.20 | 1.61 |
| 067 Romeoville | 002 | G01 | 9 | 23. | 23. | 32. | 34. | 41. | 71. | 71. | 71. | 71. | 39. | 14.13 | 36.96 | 1.38 |
| 067 Skokie | 005 | G01 | 30 | 24. | 39. | 56. | 81. | 96. | 126. | 137. | 152. | 152. | 83. | 32.20 | 76.29 | 1.54 |
| 067 Summit | 001 | G01 | 31 | 45. | 51. | 62. | 83. | 96. | 115. | 122. | 122. | 122. | 81. | 24.41 | 77.80 | 1.37 |
| 067 Waukegan | 004 | F01 | 7 | 28. | 28. | 38. | 39. | 43. | 94. | 94. | 94. | 94. | 48. | 22.58 | 44.52 | 1.50 |
| 067 Will Co | 004 | G01 | 9 | 3. | 3. | 36. | 49. | 53. | 58. | 58. | 58. | 58. | 43. | 17.34 | 34.41 | 2.70 |
| 067 Wilmette | 001 | G01 | 31 | 15. | 28. | 38. | 51. | 73. | 83. | 120. | 128. | 128. | 57. | 28.20 | 50.21 | 1.69 |
| 068 Galena | 002 | F01 | 10 | 11. | 11. | 15. | 17. | 19. | 24. | 26. | 26. | 26. | 18. | 4.71 | 17.51 | 1.30 |
| 069 East Moline | 001 | F01 | 8 | 39. | 39. | 53. | 53. | 83. | 139. | 139. | 139. | 139. | 70. | 34.02 | 64.59 | 1.54 |
| 070 East St Louis | 008 | F01 | 9 | 36. | 36. | 51. | 64. | 68. | 102. | 102. | 102. | 102. | 64. | 20.46 | 61.50 | 1.38 |
| 070 Granite City | 006 | F01 | 11 | 34. | 36. | 47. | 51. | 60. | 88. | 113. | 113. | 113. | 59. | 24.28 | 55.63 | 1.45 |
| 070 Wood River | 007 | F01 | 11 | 21. | 32. | 39. | 43. | 45. | 62. | 71. | 71. | 71. | 45. | 14.06 | 42.69 | 1.40 |
| 071 Henry | 001 | F01 | 8 | 19. | 19. | 24. | 32. | 43. | 73. | 73. | 73. | 73. | 38. | 17.84 | 34.39 | 1.56 |
| 071 La Salle | 001 | F01 | 8 | 17. | 17. | 24. | 26. | 28. | 34. | 34. | 34. | 34. | 26. | 5.12 | 25.14 | 1.24 |
| 071 Ottawa | 002 | F01 | 10 | 3. | 3. | 24. | 26. | 32. | 43. | 60. | 60. | 60. | 30. | 14.88 | 24.60 | 2.34 |
| 072 Metropolis | 007 | F01 | 1 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | | | | |
| 073 Rockford | 005 | F01 | 7 | 30. | 30. | 36. | 39. | 47. | 58. | 58. | 58. | 58. | | | | |
| 074 Effingham | 001 | F01 | 8 | 17. | 17. | 21. | 21. | 28. | 43. | 43. | 43. | 43. | 27. | 10.27 | 25.04 | 1.43 |
| 074 Marion | 001 | F01 | 10 | 3. | 3. | 23. | 26. | 38. | 45. | 47. | 47. | 47. | 29. | 13.45 | 23.96 | 2.33 |
| 075 Decatur | 007 | F01 | 11 | 23. | 28. | 32. | 38. | 38. | 49. | 56. | 56. | 56. | 37. | 9.45 | 36.37 | 1.29 |
| 075 Quincy | 004 | F01 | 8 | 19. | 19. | 24. | 24. | 36. | 45. | 45. | 45. | 45. | 30. | 9.23 | 28.66 | 1.35 |
| 075 Springfield | 003 | F01 | 11 | 21. | 26. | 28. | 34. | 34. | 41. | 47. | 47. | 47. | 32. | 7.29 | 31.74 | 1.25 |

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## NITROGEN DIOXIDE, micrograms per cubic meter (25 C) GAS BUBBLER NASN SODIUM ARSENITE - FRIT, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **INDIANA** | | | | | | | | | | | | | | | | |
| 067 Crown Point | 001 | F01 | 5 | 3. | 3. | 11. | 13. | 33. | 36. | 36. | 36. | 36. | | | | |
| 067 East Chicago | 001 | H02 | 5 | 58. | 58. | 61. | 65. | 66. | 69. | 69. | 69. | 69. | | | | |
| | 003 | H02 | 5 | 48. | 48. | 48. | 51. | 58. | 61. | 61. | 61. | 61. | | | | |
| | 004 | H02 | 5 | 58. | 58. | 60. | 70. | 86. | 102. | 102. | 102. | 102. | | | | |
| | 006 | H02 | 5 | 40. | 40. | 45. | 48. | 49. | 63. | 63. | 63. | 63. | | | | |
| | 007 | H02 | 5 | 45. | 45. | 53. | 57. | 58. | 79. | 79. | 79. | 79. | | | | |
| 067 Gary | 001 | H01 | 5 | 15. | 15. | 27. | 47. | 48. | 83. | 83. | 83. | 83. | | | | |
| | 002 | H01 | 6 | 6. | 6. | 17. | 26. | 43. | 58. | 58. | 58. | 58. | | | | |
| | 003 | H01 | 6 | 5. | 5. | 16. | 26. | 43. | 49. | 49. | 49. | 49. | | | | |
| | 005 | H01 | 3 | 11. | 11. | 11. | 26. | 50. | 50. | 50. | 50. | 50. | | | | |
| | 008 | H01 | 1 | 15. | 15. | 15. | 15. | 15. | 15. | 15. | 15. | 15. | | | | |
| | 011 | H01 | 6 | 37. | 37. | 38. | 47. | 60. | 62. | 62. | 62. | 62. | | | | |
| | 014 | H01 | 6 | 48. | 48. | 58. | 67. | 69. | 152. | 152. | 152. | 152. | | | | |
| | 016 | F01 | 5 | 44. | 44. | 45. | 47. | 50. | 58. | 58. | 58. | 58. | | | | |
| | 016 | H01 | 5 | 31. | 31. | 48. | 53. | 58. | 63. | 63. | 63. | 63. | | | | |
| | 018 | F01 | 4 | 46. | 46. | 50. | 50. | 56. | 59. | 59. | 59. | 59. | | | | |
| 067 Hammond | 001 | H01 | 5 | 31. | 31. | 48. | 50. | 50. | 89. | 89. | 89. | 89. | | | | |
| | 002 | H01 | 5 | 39. | 39. | 45. | 46. | 48. | 55. | 55. | 55. | 55. | | | | |
| | 004 | H01 | 5 | 45. | 45. | 52. | 52. | 55. | 55. | 55. | 55. | 55. | | | | |
| | 005 | H01 | 5 | 27. | 27. | 40. | 43. | 49. | 59. | 59. | 59. | 59. | | | | |
| | 006 | H01 | 5 | 34. | 34. | 38. | 44. | 48. | 58. | 58. | 58. | 58. | | | | |
| | 007 | H01 | 5 | 30. | 30. | 43. | 47. | 49. | 57. | 57. | 57. | 57. | | | | |
| 067 Whiting | 003 | F01 | 5 | 30. | 30. | 33. | 45. | 61. | 90. | 90. | 90. | 90. | | | | |
| 080 Indianapolis | 002 | H01 | 5 | 51. | 51. | 88. | 90. | 99. | 114. | 114. | 114. | 114. | | | | |
| | 003 | H01 | 4 | 54. | 54. | 56. | 56. | 57. | 77. | 77. | 77. | 77. | | | | |
| | 006 | H01 | 5 | 50. | 50. | 50. | 54. | 93. | 182. | 182. | 182. | 182. | | | | |
| | 008 | H01 | 4 | 26. | 26. | 45. | 45. | 54. | 150. | 150. | 150. | 150. | | | | |
| | 009 | H01 | 4 | 39. | 39. | 86. | 86. | 115. | 227. | 227. | 227. | 227. | | | | |
| | 013 | H01 | 5 | 33. | 33. | 34. | 61. | 98. | 144. | 144. | 144. | 144. | | | | |
| | 015 | H01 | 5 | 41. | 41. | 63. | 73. | 103. | 214. | 214. | 214. | 214. | | | | |
| | 021 | F01 | 5 | 31. | 31. | 33. | 58. | 60. | 63. | 63. | 63. | 63. | | | | |
| | 025 | H01 | 4 | 37. | 37. | 42. | 42. | 82. | 223. | 223. | 223. | 223. | | | | |
| | 026 | H01 | 4 | 24. | 24. | 30. | 30. | 53. | 63. | 63. | 63. | 63. | | | | |
| 082 Michigan City | 001 | H01 | 4 | 23. | 23. | 30. | 30. | 33. | 34. | 34. | 34. | 34. | | | | |
| 084 Terre Haute | 009 | F01 | 5 | 27. | 27. | 39. | 41. | 48. | 50. | 50. | 50. | 50. | | | | |
| | 010 | G01 | 5 | 20. | 20. | 25. | 27. | 30. | 61. | 61. | 61. | 61. | | | | |
| **IOWA** | | | | | | | | | | | | | | | | |
| 085 Council Bluffs | 017 | F01 | 5 | 27. | 27. | 32. | 40. | 51. | 68. | 68. | 68. | 68. | | | | |
| **KANSAS** | | | | | | | | | | | | | | | | |
| 094 Kansas City | 001 | H01 | 16 | 38. | 39. | 47. | 50. | 65. | 71. | 83. | 83. | 83. | 56. | 13.01 | 54.13 | 1.26 |
| | 004 | H01 | 16 | 3. | 3. | 30. | 37. | 49. | 57. | 77. | 77. | 77. | 36. | 22.52 | 22.93 | 3.49 |
| | 011 | H01 | 16 | 3. | 6. | 37. | 48. | 77. | 87. | 92. | 92. | 92. | 51. | 27.08 | 38.95 | 2.67 |
| 094 Leavenworth | 001 | F01 | 14 | 3. | 8. | 22. | 23. | 32. | 39. | 50. | 50. | 50. | 25. | 13.15 | 20.01 | 2.22 |
| 094 Olathe | 001 | F01 | 16 | 3. | 3. | 9. | 14. | 16. | 27. | 43. | 43. | 43. | 14. | 10.10 | 10.75 | 2.30 |
| 094 Overland Park | 001 | F01 | 16 | 3. | 7. | 19. | 24. | 26. | 38. | 39. | 39. | 39. | 23. | 10.53 | 19.91 | 2.04 |
| 095 Atchison | 001 | F01 | 16 | 3. | 13. | 16. | 21. | 26. | 40. | 86. | 86. | 86. | 25. | 18.74 | 20.13 | 2.10 |
| 095 Lawrence | 001 | F01 | 16 | 3. | 3. | 27. | 34. | 38. | 55. | 76. | 76. | 76. | 33. | 18.72 | 25.31 | 2.65 |
| 095 Pottawatomie Co | 001 | F01 | 16 | 3. | 3. | 5. | 8. | 10. | 12. | 16. | 16. | 16. | 8. | 4.09 | 6.39 | 1.89 |
| 095 Shawnee Co | 001 | F01 | 16 | 3. | 3. | 3. | 7. | 9. | 13. | 32. | 32. | 32. | 8. | 7.30 | 5.77 | 2.15 |
| | 002 | F01 | 16 | 3. | 6. | 12. | 14. | 16. | 18. | 19. | 19. | 19. | 13. | 4.37 | 12.23 | 1.66 |
| | 003 | F01 | 16 | 3. | 3. | 6. | 10. | 12. | 17. | 19. | 19. | 19. | 9. | 5.37 | 7.50 | 2.07 |
| 095 Topeka | 002 | F01 | 16 | 17. | 20. | 25. | 27. | 32. | 40. | 46. | 46. | 46. | 29. | 7.66 | 27.89 | 1.30 |
| | 004 | F01 | 16 | 11. | 16. | 23. | 26. | 30. | 43. | 54. | 54. | 54. | 28. | 10.60 | 26.30 | 1.47 |
| | 005 | F01 | 16 | 6. | 13. | 15. | 21. | 24. | 31. | 49. | 49. | 49. | 22. | 9.85 | 19.83 | 1.61 |
| | 006 | F01 | 16 | 10. | 15. | 18. | 22. | 25. | 39. | 47. | 47. | 47. | 24. | 9.83 | 22.49 | 1.48 |
| 096 Mc Pherson | 001 | F01 | 15 | 3. | 8. | 11. | 13. | 15. | 19. | 26. | 26. | 26. | 13. | 5.29 | 12.09 | 1.68 |
| 096 Manhattan | 001 | F01 | 13 | 3. | 3. | 3. | 5. | 7. | 16. | 29. | 29. | 29. | 7. | 7.60 | 4.92 | 2.22 |
| 097 Goodland | 001 | F01 | 15 | 8. | 8. | 8. | 10. | 11. | 15. | 15. | 15. | 15. | 10. | 2.53 | 10.20 | 1.26 |
| 097 Graham Co | 001 | F01 | 16 | 3. | 3. | 3. | 6. | 8. | 10. | 11. | 11. | 11. | 6. | 3.01 | 5.31 | 1.77 |
| 097 Phillipsburg | 001 | F01 | 16 | 3. | 3. | 5. | 7. | 9. | 11. | 11. | 11. | 11. | 7. | 2.93 | 6.31 | 1.68 |
| 098 Coffeyville | 001 | F01 | 12 | 3. | 3. | 5. | 12. | 16. | 18. | 34. | 34. | 34. | 12. | 9.13 | 8.87 | 2.44 |
| 098 Linn Co | 001 | F01 | 16 | 5. | 7. | 9. | 10. | 10. | 13. | 13. | 13. | 13. | 10. | 2.06 | 9.33 | 1.27 |
| 099 Arkansas City | 001 | F01 | 15 | 3. | 5. | 14. | 17. | 26. | 31. | 47. | 47. | 47. | 20. | 11.29 | 16.21 | 2.09 |
| 099 El Dorado | 001 | F01 | 16 | 3. | 3. | 12. | 14. | 17. | 21. | 29. | 29. | 29. | 14. | 7.11 | 11.13 | 2.19 |

## NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER NASN SODIUM ARSENITE - FRIT, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **KANSAS — Cont.** | | | | | | | | | | | | | | | | |
| 099 Hutchinson | 001 | F01 | 16 | 9. | 10. | 12. | 16. | 21. | 29. | 29. | 29. | 29. | 17. | 6.56 | 15.90 | 1.46 |
| 099 Sedgwick Co | 003 | F01 | 16 | 3. | 3. | 7. | 7. | 9. | 17. | 33. | 33. | 33. | 10. | 7.42 | 7.85 | 1.93 |
| | 004 | F01 | 16 | 18. | 19. | 20. | 23. | 29. | 35. | 36. | 36. | 36. | 25. | 5.70 | 24.55 | 1.25 |
| 099 Wichita | 005 | F01 | 11 | 12. | 17. | 19. | 24. | 33. | 35. | 50. | 50. | 50. | 26. | 10.95 | 24.50 | 1.51 |
| | 006 | F01 | 16 | 11. | 11. | 13. | 16. | 36. | 43. | 50. | 50. | 50. | 24. | 13.53 | 20.44 | 1.73 |
| | 007 | F01 | 15 | 26. | 28. | 29. | 32. | 41. | 55. | 69. | 69. | 69. | 38. | 11.87 | 36.09 | 1.32 |
| | 008 | F01 | 16 | 3. | 15. | 21. | 26. | 33. | 50. | 50. | 50. | 50. | 28. | 13.83 | 24.02 | 2.05 |
| | 009 | F01 | 16 | 3. | 3. | 13. | 21. | 32. | 40. | 45. | 45. | 45. | 21. | 14.10 | 14.47 | 2.99 |
| 100 Dodge City | 001 | F01 | 16 | 3. | 3. | 3. | 3. | 11. | 13. | 14. | 14. | 14. | 7. | 4.70 | 5.27 | 2.18 |
| 100 Ulysses | 001 | F01 | 16 | 3. | 3. | 5. | 8. | 13. | 21. | 22. | 22. | 22. | 10. | 6.52 | 7.47 | 2.18 |
| **NEW HAMPSHIRE** | | | | | | | | | | | | | | | | |
| 107 Berlin | 001 | F01 | 1 | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 10. | 10. | | | | |
| | 007 | F01 | 15 | 10. | 10. | 10. | 23. | 36. | 61. | 64. | 64. | 64. | 28. | 19.98 | 22.11 | 2.10 |
| 107 Coos Co | 001 | F03 | 14 | 10. | 10. | 10. | 10. | 10. | 10. | 31. | 31. | 31. | 12. | 5.61 | 10.84 | 1.35 |
| 107 Dover | 001 | F01 | 16 | 10. | 10. | 10. | 10. | 37. | 54. | 64. | 64. | 64. | 25. | 18.47 | 19.44 | 2.08 |
| 107 Northumberland | 002 | F01 | 16 | 10. | 10. | 10. | 10. | 22. | 55. | 82. | 82. | 82. | 21. | 20.79 | 15.44 | 2.05 |
| 121 Allenstown | 001 | F01 | 16 | 10. | 10. | 10. | 10. | 25. | 30. | 36. | 36. | 36. | 18. | 9.15 | 16.16 | 1.67 |
| 121 Concord | 002 | F01 | 16 | 10. | 10. | 10. | 25. | 29. | 49. | 51. | 51. | 51. | 26. | 15.43 | 21.11 | 1.92 |
| 121 Keene | 002 | F01 | 10 | 10. | 10. | 10. | 10. | 10. | 23. | 28. | 28. | 28. | 14. | 7.21 | 13.09 | 1.55 |
| | 005 | F01 | 15 | 10. | 10. | 10. | 23. | 28. | 36. | 53. | 53. | 53. | 22. | 12.85 | 19.19 | 1.80 |
| 121 Manchester | 009 | F01 | 15 | 10. | 10. | 26. | 40. | 47. | 79. | 87. | 87. | 87. | 42. | 23.87 | 35.57 | 1.94 |
| 121 Hashua | 005 | F01 | 16 | 10. | 10. | 10. | 26. | 35. | 54. | 89. | 89. | 89. | 29. | 21.59 | 22.76 | 2.07 |
| 121 Portsmouth | 005 | F01 | 16 | 10. | 10. | 28. | 33. | 36. | 62. | 64. | 64. | 64. | 33. | 15.79 | 28.83 | 1.79 |
| | 008 | F01 | 16 | 10. | 10. | 22. | 30. | 41. | 65. | 84. | 84. | 84. | 34. | 21.26 | 27.90 | 2.01 |
| 121 Salem | 002 | F01 | 14 | 10. | 10. | 22. | 24. | 34. | 49. | 50. | 50. | 50. | 27. | 14.42 | 22.90 | 1.84 |
| 149 Plymouth | 001 | F01 | 15 | 10. | 10. | 10. | 10. | 24. | 29. | 36. | 36. | 36. | 16. | 9.42 | 14.15 | 1.67 |
| **OKLAHOMA** | | | | | | | | | | | | | | | | |
| 186 Dewey | 219 | F01 | 13 | 3. | 3. | 3. | 10. | 15. | 19. | 20. | 20. | 20. | 9. | 7.00 | 6.51 | 2.55 |
| 186 Muskogee | 166 | F01 | 13 | 3. | 8. | 13. | 26. | 35. | 46. | 55. | 55. | 55. | 26. | 15.94 | 20.12 | 2.38 |
| 186 Pryor | 181 | F02 | 13 | 6. | 6. | 15. | 36. | 58. | 108. | 141. | 141. | 141. | 48. | 40.95 | 31.64 | 2.83 |
| 186 Rogers Co | 194 | F01 | 11 | 3. | 3. | 12. | 19. | 23. | 37. | 43. | 43. | 43. | 19. | 12.67 | 13.91 | 2.57 |
| 186 Tulsa | 110 | F01 | 15 | 38. | 44. | 68. | 114. | 125. | 157. | 160. | 160. | 160. | 101. | 41.37 | 92.07 | 1.61 |
| | 112 | F01 | 16 | 36. | 89. | 98. | 106. | 140. | 168. | 200. | 200. | 200. | 119. | 38.13 | 111.87 | 1.47 |
| | 131 | F01 | 16 | 10. | 10. | 21. | 28. | 45. | 65. | 96. | 96. | 96. | 36. | 23.04 | 29.84 | 1.90 |
| 186 Wagoner Co | 165 | F01 | 11 | 3. | 3. | 6. | 11. | 13. | 15. | 17. | 17. | 17. | 10. | 5.50 | 7.74 | 2.18 |
| 188 Seminole Co | 331 | F01 | 12 | 3. | 3. | 8. | 15. | 22. | 25. | 36. | 36. | 36. | 16. | 10.11 | 11.94 | 2.38 |
| 189 Lawton | 650 | F01 | 8 | 6. | 6. | 8. | 9. | 12. | 46. | 46. | 46. | 46. | 14. | 13.19 | 11.12 | 1.89 |
| **VIRGINIA** | | | | | | | | | | | | | | | | |
| 226 Salem | 001 | G01 | 16 | 3. | 3. | 18. | 26. | 83. | 110. | 164. | 164. | 164. | 54. | 46.54 | 32.14 | 3.46 |
| | 003 | G01 | 16 | 3. | 3. | 13. | 26. | 60. | 149. | 164. | 164. | 164. | 50. | 51.72 | 26.00 | 3.73 |
| 226 Vinton | 003 | G01 | 16 | 3. | 3. | 13. | 39. | 82. | 110. | 174. | 174. | 174. | 54. | 50.08 | 29.42 | 3.84 |

## NITROGEN DIOXIDE, micrograms per cubic meter (25 C)
## GAS BUBBLER TGS METHOD - FRIT, 24 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| 225 Richmond | 002 | H01 | 90 | 24. | 36. | 55. | 70. | 94. | 122. | 145. | 160. | 160. | 76. | 32.37 | 69.46 | 1.54 |
|  | 013 | H01 | 16 | 19. | 23. | 28. | 30. | 41. | 45. | 62. | 62. | 62. | 34. | 10.65 | 32.67 | 1.34 |
|  | 014 | H01 | 15 | 24. | 30. | 39. | 43. | 51. | 56. | 64. | 64. | 64. | 44. | 10.84 | 42.78 | 1.30 |
|  | 016 | H01 | 16 | 24. | 30. | 34. | 43. | 58. | 79. | 113. | 113. | 113. | 51. | 22.80 | 46.63 | 1.51 |
|  | 019 | H01 | 16 | 26. | 41. | 49. | 60. | 64. | 88. | 102. | 102. | 102. | 61. | 18.09 | 58.03 | 1.37 |

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## TOTAL HYDROCARBON, micrograms per cubic meter (25 C)
## INSTRUMENTAL FLAME IONIZATION, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **ALABAMA** | | | | | | | | | | | | | | | | |
| 007 Huntsville | 014 | H01 | 1284 | 850. | 981. | 1046. | 1112. | 1243. | 1962. | 3008. | 5036. | 6475. | | | | |
| **ARIZONA** | | | | | | | | | | | | | | | | |
| 015 Phoenix | 002 | G01 | 1173 | 65. | 1177. | 1308. | 1504. | 1897. | 3074. | 3728. | 4840. | 6082. | | | | |
| **COLORADO** | | | | | | | | | | | | | | | | |
| 036 Arvada | 002 | F01 | 1952 | 785. | 981. | 1112. | 1243. | 1439. | 1831. | 2027. | 2551. | 4970. | 1340. | 366.24 | 297.70 | 1.28 |
| 036 Denver | 002 | F01 | 1599 | 65. | 1046. | 1308. | 1439. | 1635. | 1962. | 2224. | 2681. | 3466. | | | | |
| | 009 | F01 | 1992 | 785. | 916. | 1046. | 1112. | 1308. | 1700. | 1962. | 2485. | 3662. | 1246. | 341.98 | 208.30 | 1.27 |
| | 010 | F01 | 1974 | 1046. | 1243. | 1439. | 1700. | 1897. | 2354. | 2616. | 3270. | 4513. | 1746. | 462.13 | 691.93 | 1.28 |
| | 011 | F01 | 752 | 981. | 1112. | 1177. | 1308. | 1504. | 2027. | 2289. | 2943. | 5232. | | | | |
| 036 Welby | 001 | F01 | 1992 | 850. | 1046. | 1112. | 1177. | 1373. | 2093. | 2551. | 3662. | 5167. | 1406. | 534.04 | 337.13 | 1.34 |
| **FLORIDA** | | | | | | | | | | | | | | | | |
| 005 Pensacola | 004 | F01 | 371 | 589. | 719. | 850. | 916. | 981. | 1243. | 1308. | 1700. | 2812. | | | | |
| 048 Winter Park | 002 | F01 | 1267 | 785. | 1046. | 1112. | 1177. | 1243. | 1439. | 1570. | 1962. | 2616. | | | | |
| 050 West Palm Beach | 001 | G01 | 1932 | 719. | 1046. | 1112. | 1112. | 1177. | 1308. | 1439. | 1831. | 2354. | 1174. | 155.74 | 164.94 | 1.13 |
| **KENTUCKY** | | | | | | | | | | | | | | | | |
| 079 Newport | 001 | F01 | 815 | 850. | 1112. | 1308. | 1439. | 1635. | 2158. | 2485. | 2812. | 2943. | | | | |
| **MARYLAND** | | | | | | | | | | | | | | | | |
| 115 Baltimore | 004 | H01 | 1578 | 65. | 65. | 850. | 1504. | 2027. | 2943. | 3466. | 4709. | 5951. | | | | |
| | 011 | H01 | 1449 | 65. | 65. | 327. | 1046. | 1766. | 2943. | 3597. | 4905. | 6082. | | | | |
| 115 Baltimore Co | 003 | G01 | 1429 | 981. | 1112. | 1177. | 1243. | 1373. | 1635. | 1766. | 2093. | 2551. | | | | |
| 115 Essex | 001 | G01 | 1737 | 1243. | 1373. | 1439. | 1570. | 1766. | 2420. | 2943. | 3989. | 6409. | 1773. | 564.01 | 710.49 | 1.28 |
| 115 Riviera Beach | 002 | G01 | 451 | 65. | 65. | 65. | 65. | 131. | 327. | 523. | 850. | 1570. | | | | |
| 115 Towson | 002 | G01 | 757 | 1112. | 1308. | 1373. | 1504. | 1635. | 2158. | 2812. | 3335. | 4513. | | | | |
| **MISSOURI** | | | | | | | | | | | | | | | | |
| 070 Afton | 001 | G01 | 144 | 65. | 65. | 131. | 327. | 1831. | 2551. | 2943. | 3139. | 3205. | | | | |
| 070 Bellefontaine Neighbors | 002 | G01 | 139 | 196. | 196. | 327. | 1243. | 1308. | 1635. | 2289. | 2354. | 2420. | | | | |
| 070 Clayton | 001 | G01 | 123 | 65. | 196. | 1308. | 2093. | 2354. | 2681. | 2812. | 2878. | 3466. | | | | |
| 070 St Ann | 001 | G01 | 163 | 654. | 1046. | 1570. | 1635. | 1897. | 2420. | 2616. | 5036. | 5951. | | | | |
| 070 St Louis Co | 006 | G01 | 61 | 196. | 392. | 719. | 1046. | 1766. | 4186. | 4643. | 5101. | 5101. | | | | |
| **MONTANA** | | | | | | | | | | | | | | | | |
| 140 Billings | 053 | F01 | 1532 | 65. | 1177. | 1373. | 1373. | 1570. | 1962. | 2158. | 2747. | 4513. | | | | |
| 143 Rosebud Co | 027 | F02 | 915 | 65. | 65. | 65. | 65. | 65. | 144. | 981. | 1014. | 1014. | | | | |
| **OREGON** | | | | | | | | | | | | | | | | |
| 193 Eugene | 007 | F01 | 1929 | 67. | 1089. | 1217. | 1343. | 1485. | 1716. | 1868. | 2302. | 3211. | 1371. | 312.81 | 312.44 | 1.47 |
| 193 Portland | 002 | F01 | 1736 | 790. | 1050. | 1180. | 1310. | 1570. | 1960. | 2100. | 2620. | 3930. | 1454. | 367.57 | 412.50 | 1.27 |
| **TEXAS** | | | | | | | | | | | | | | | | |
| 106 Nederland | 003 | F01 | 1212 | 850. | 981. | 1177. | 1308. | 1570. | 2158. | 2681. | 3989. | 6409. | | | | |
| 106 West Orange | 001 | F01 | 575 | 65. | 916. | 981. | 1112. | 1308. | 1831. | 2224. | 2681. | 2943. | | | | |
| 153 El Paso | 027 | F01 | 1857 | 719. | 1112. | 1177. | 1243. | 1373. | 1635. | 1831. | 2551. | 4447. | 1345. | 292.05 | 321.16 | 1.19 |
| | 028 | F01 | 1765 | 523. | 850. | 916. | 1177. | 1373. | 1831. | 2158. | 2943. | 3989. | 1256. | 462.00 | 189.53 | 1.37 |
| 212 Austin | 012 | F01 | 1632 | 719. | 850. | 916. | 981. | 981. | 1112. | 1243. | 1504. | 1897. | | | | |
| | 013 | F01 | 1039 | 981. | 1046. | 1112. | 1177. | 1308. | 1635. | 1897. | 2812. | 3793. | | | | |
| 214 Corpus Christi | 019 | F01 | 1726 | 850. | 916. | 981. | 981. | 1046. | 1504. | 1962. | 2812. | 4905. | 1137. | 416.98 | 92.11 | 1.29 |
| 215 Dallas | 045 | F01 | 1637 | 850. | 916. | 981. | 1046. | 1112. | 1308. | 1439. | 2027. | 5951. | | | | |
| | 047 | F01 | 842 | 850. | 981. | 1112. | 1243. | 1373. | 1700. | 2027. | 2812. | 3662. | | | | |
| 215 Fort Worth | 002 | F01 | 1289 | 916. | 981. | 1046. | 1177. | 1243. | 1635. | 1831. | 2551. | 3662. | | | | |
| | 003 | F01 | 1762 | 850. | 1046. | 1112. | 1243. | 1373. | 1635. | 1831. | 2681. | 4513. | 1309. | 329.48 | 279.20 | 1.23 |

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## TOTAL HYDROCARBON, micrograms per cubic meter (25 C)
## INSTRUMENTAL FLAME IONIZATION, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **TEXAS — Cont.** | | | | | | | | | | | | | | | | |
| 216 Clute City | 003 | F01 | 1916 | 1177. | 1308. | 1373. | 1504. | 1700. | 2158. | 2485. | 3008. | 4251. | 1636. | 398.92 | 595.96 | 1.24 |
| 216 Harris Co | 024 | F01 | 1639 | 916. | 1046. | 1177. | 1308. | 1504. | 2158. | 2681. | 3989. | 5755. | 1493. | 600.82 | 414.48 | 1.35 |
| 216 Houston | 034 | F01 | 967 | 1046. | 1243. | 1373. | 1570. | 1962. | 3074. | 3793. | 5624. | 6475. | | | | |
| 216 Texas City | 002 | F01 | 812 | 981. | 1177. | 1308. | 1373. | 1504. | 1831. | 2027. | 2551. | 3924. | | | | |
| 217 San Antonio | 036 | F01 | 1544 | 785. | 916. | 981. | 981. | 1112. | 1373. | 1570. | 1962. | 2616. | | | | |
| | 041 | F01 | 1161 | 850. | 981. | 1046. | 1112. | 1243. | 1439. | 1700. | 3139. | 4709. | | | | |
| 218 Odessa | 002 | F01 | 1889 | 981. | 1112. | 1243. | 1308. | 1504. | 2027. | 2551. | 4382. | 6148. | 1501. | 585.86 | 432.49 | 1.32 |

## TOTAL OXIDANTS, micrograms per cubic meter (25 C)
## INSTRUMENTAL COULOMETRIC NEUTRAL KI, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **IOWA** | | | | | | | | | | | | | | | | |
| 069 Davenport | 011 | F01 | 1942 | 10. | 10. | 31. | 53. | 78. | 108. | 129. | 153. | 221. | 59. | 37.36 | 45.03 | 2.23 |
| | 012 | F01 | 2055 | 10. | 10. | 41. | 59. | 78. | 108. | 123. | 157. | 192. | 62. | 34.72 | 50.08 | 2.08 |

## OZONE, micrograms per cubic meter (25 C)
## INSTRUMENTAL CHEMILUMINESCENCE, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **ALABAMA** | | | | | | | | | | | | | | | | |
| 004 Center Point | 002 | G01 | 2096 | 5. | 5. | 20. | 49. | 78. | 122. | 141. | 180. | 239. | 56. | 45.64 | 33.24 | 3.28 |
| 004 Fairfield | 003 | G02 | 2141 | 5. | 5. | 18. | 49. | 86. | 155. | 184. | 247. | 312. | 65. | 60.90 | 34.78 | 3.64 |
| 005 Mobile | 008 | G01 | 707 | 5. | 5. | 29. | 49. | 82. | 127. | 141. | 171. | 180. | | | | |
| 005 Mobile Co | 024 | G01 | 1353 | 5. | 5. | 20. | 59. | 98. | 157. | 180. | 216. | 294. | | | | |
| 007 Huntsville | 014 | H01 | 1915 | 5. | 5. | 39. | 78. | 118. | 176. | 216. | 274. | 333. | 92. | 67.33 | 57.98 | 3.24 |
| **COLORADO** | | | | | | | | | | | | | | | | |
| 036 Arvada | 002 | F01 | 1863 | 5. | 12. | 47. | 78. | 102. | 133. | 147. | 176. | 200. | 76. | 44.60 | 55.47 | 2.61 |
| 036 Denver | 002 | F01 | 1970 | 5. | 5. | 29. | 53. | 84. | 116. | 129. | 159. | 220. | 59. | 41.33 | 39.75 | 2.80 |
| | 009 | F01 | 1695 | 5. | 10. | 43. | 71. | 98. | 127. | 141. | 176. | 235. | 71. | 43.78 | 51.06 | 2.70 |
| | 010 | F01 | 1965 | 5. | 5. | 27. | 47. | 69. | 92. | 102. | 123. | 192. | 49. | 31.57 | 35.15 | 2.55 |
| | 011 | F01 | 1951 | 5. | 12. | 35. | 59. | 86. | 116. | 131. | 167. | 259. | 63. | 39.87 | 46.41 | 2.47 |
| 036 Welby | 001 | F01 | 1949 | 5. | 5. | 47. | 76. | 106. | 131. | 141. | 167. | 229. | 74. | 45.68 | 50.72 | 2.98 |
| 037 Greeley | 005 | F01 | 1400 | 5. | 29. | 69. | 98. | 127. | 157. | 167. | 186. | 216. | | | | |
| 038 Colorado Springs | 004 | F01 | 1372 | 5. | 20. | 49. | 69. | 88. | 108. | 118. | 127. | 167. | | | | |
| **CONNECTICUT** | | | | | | | | | | | | | | | | |
| 041 Eastford | 001 | F03 | 2117 | 5. | 39. | 69. | 88. | 110. | 165. | 198. | 265. | 461. | 97. | 52.19 | 84.61 | 1.74 |
| 041 Groton | 123 | F01 | 2147 | 5. | 29. | 69. | 90. | 112. | 157. | 198. | 300. | 453. | 95. | 56.30 | 75.33 | 2.22 |
| 042 Derby | 123 | F01 | 1720 | 5. | 10. | 33. | 73. | 100. | 149. | 192. | 259. | 429. | 77. | 60.55 | 49.51 | 2.98 |
| 042 Enfield | 123 | F01 | 2154 | 5. | 5. | 43. | 73. | 96. | 141. | 176. | 261. | 388. | 76. | 54.75 | 52.10 | 2.87 |
| 042 Hamden | 001 | F01 | 1706 | 5. | 16. | 53. | 78. | 98. | 137. | 167. | 239. | 374. | 81. | 50.16 | 60.20 | 2.53 |
| 042 Hartford | 123 | F01 | 2149 | 5. | 5. | 25. | 51. | 76. | 133. | 169. | 259. | 416. | 61. | 55.19 | 36.94 | 3.16 |
| 042 Middletown | 003 | F01 | 2139 | 5. | 5. | 35. | 59. | 84. | 131. | 163. | 229. | 423. | 66. | 50.94 | 44.59 | 2.84 |
| 042 New Haven | 123 | F01 | 2023 | 5. | 5. | 25. | 49. | 76. | 118. | 161. | 249. | 370. | 59. | 51.20 | 36.06 | 3.11 |
| 043 Bridgeport | 123 | F01 | 1938 | 5. | 5. | 41. | 69. | 94. | 139. | 176. | 257. | 361. | 74. | 55.05 | 50.19 | 2.87 |
| 043 Danbury | 123 | F01 | 2147 | 5. | 5. | 35. | 67. | 94. | 145. | 190. | 284. | 392. | 73. | 59.74 | 44.81 | 3.27 |
| 043 Greenwich | 004 | F01 | 2011 | 5. | 10. | 49. | 69. | 98. | 137. | 176. | 263. | 353. | 76. | 54.23 | 55.44 | 2.42 |
| 044 Litchfield Co | 001 | F03 | 1501 | 5. | 29. | 65. | 92. | 118. | 157. | 198. | 270. | 412. | | | | |
| **DISTRICT OF COLUMBIA** | | | | | | | | | | | | | | | | |
| 047 Washington | 008 | I01 | 1682 | 5. | 10. | 20. | 39. | 69. | 118. | 147. | 225. | 363. | 55. | 47.43 | 37.27 | 2.52 |
| | 013 | I01 | 2050 | 5. | 10. | 39. | 59. | 88. | 157. | 196. | 274. | 1382. | 76. | 67.86 | 53.76 | 2.39 |
| | 017 | I01 | 2134 | 5. | 10. | 29. | 39. | 69. | 108. | 147. | 245. | 431. | 54. | 47.70 | 38.29 | 2.39 |
| **FLORIDA** | | | | | | | | | | | | | | | | |
| 005 Pensacola | 004 | F01 | 1497 | 5. | 5. | 31. | 51. | 86. | 172. | 223. | 278. | 392. | | | | |
| 048 Winter Park | 002 | F01 | 2066 | 5. | 5. | 27. | 47. | 71. | 102. | 118. | 149. | 196. | 52. | 36.88 | 35.95 | 2.73 |
| 049 Jacksonville | 070 | H01 | 2115 | 5. | 29. | 59. | 78. | 108. | 137. | 157. | 206. | 294. | 84. | 43.70 | 70.34 | 1.98 |
| 050 West Palm Beach | 001 | G01 | 1928 | 5. | 5. | 27. | 51. | 73. | 102. | 114. | 161. | 208. | 54. | 37.03 | 37.26 | 2.71 |
| 052 Clearwater | 003 | G01 | 360 | 5. | 10. | 29. | 39. | 49. | 98. | 118. | 176. | 196. | | | | |
| 052 Hillsborough Co | 074 | G05 | 1173 | 5. | 5. | 16. | 49. | 78. | 118. | 127. | 172. | 216. | | | | |
| 052 Pinellas Co | 001 | G01 | 2025 | 5. | 10. | 39. | 59. | 88. | 127. | 157. | 176. | 265. | 68. | 42.84 | 51.49 | 2.39 |
| 052 St Petersburg | 012 | H01 | 1187 | 5. | 20. | 51. | 78. | 110. | 157. | 192. | 235. | 265. | | | | |
| | 018 | H01 | 1910 | 5. | 20. | 49. | 78. | 108. | 147. | 167. | 206. | 265. | 81. | 48.41 | 60.79 | 2.48 |
| | 020 | G01 | 1864 | 5. | 5. | 20. | 39. | 69. | 98. | 118. | 167. | 206. | 48. | 38.48 | 30.69 | 2.91 |
| 052 Tampa | 035 | G02 | 1766 | 5. | 10. | 39. | 69. | 98. | 147. | 167. | 225. | 274. | 72. | 51.72 | 49.81 | 2.73 |
| | 042 | G01 | 1400 | 5. | 10. | 39. | 63. | 88. | 127. | 147. | 206. | 235. | | | | |
| 052 Tarpon Springs | 001 | G02 | 1808 | 5. | 20. | 39. | 69. | 88. | 137. | 157. | 186. | 235. | 71. | 45.31 | 53.57 | 2.37 |
| | 002 | G03 | 468 | 5. | 5. | 20. | 49. | 78. | 147. | 167. | 206. | 225. | | | | |
| **GEORGIA** | | | | | | | | | | | | | | | | |
| 056 Decatur | 002 | F01 | 1103 | 10. | 10. | 10. | 39. | 78. | 127. | 147. | 177. | 206. | | | | |
| **ILLINOIS** | | | | | | | | | | | | | | | | |
| 067 Calumet City | 001 | G01 | 1977 | 5. | 5. | 31. | 55. | 84. | 153. | 184. | 231. | 296. | 68. | 56.42 | 41.48 | 3.17 |
| 067 Chicago Heights | 001 | G01 | 1820 | 5. | 5. | 35. | 57. | 82. | 123. | 147. | 184. | 674. | 65. | 53.87 | 44.69 | 2.71 |
| 067 Hillside | 001 | G01 | 1924 | 5. | 5. | 20. | 45. | 74. | 139. | 163. | 214. | 270. | 58. | 52.04 | 34.08 | 3.24 |
| 067 Skokie | 005 | G01 | 1832 | 5. | 5. | 29. | 55. | 74. | 125. | 157. | 245. | 345. | 61. | 51.07 | 38.85 | 3.04 |

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## OZONE, micrograms per cubic meter (25 C)
## INSTRUMENTAL CHEMILUMINESCENCE, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **INDIANA** | | | | | | | | | | | | | | | | |
| 067 East Chicago | 010 | H01 | 698 | 5. | 5. | 19. | 29. | 49. | 78. | 98. | 117. | 157. | | | | |
| 067 Hammond | 002 | H01 | 708 | 10. | 10. | 26. | 55. | 98. | 155. | 179. | 279. | 527. | | | | |
| | 008 | F01 | 213 | 5. | 5. | 12. | 27. | 47. | 73. | 76. | 98. | 110. | | | | |
| 080 Indianapolis | 030 | F01 | 512 | 5. | 5. | 24. | 43. | 63. | 102. | 118. | 176. | 192. | | | | |
| **IOWA** | | | | | | | | | | | | | | | | |
| 069 Scott Co | 010 | F05 | 823 | 5. | 20. | 39. | 59. | 74. | 104. | 123. | 171. | 186. | | | | |
| 088 Cedar Rapids | 020 | G02 | 2178 | 5. | 25. | 61. | 86. | 112. | 153. | 174. | 223. | 272. | 89. | 48.88 | 70.01 | 2.31 |
| 092 Des Moines | 037 | G01 | 2132 | 5. | 27. | 61. | 86. | 116. | 151. | 167. | 202. | 235. | 89. | 46.90 | 71.26 | 2.19 |
| 092 Polk Co | 024 | G01 | 2135 | 5. | 33. | 57. | 78. | 102. | 133. | 147. | 180. | 208. | 81. | 38.79 | 69.21 | 1.89 |
| **KANSAS** | | | | | | | | | | | | | | | | |
| 094 Kansas City | 001 | H01 | 2143 | 10. | 10. | 10. | 20. | 30. | 40. | 40. | 50. | 100. | 21. | 11.74 | 17.79 | 1.72 |
| | 011 | F01 | 839 | 5. | 5. | 5. | 5. | 5. | 10. | 40. | 130. | 140. | | | | |
| 095 Lawrence | 003 | F01 | 1985 | 5. | 5. | 40. | 70. | 100. | 150. | 170. | 220. | 300. | 75. | 53.95 | 46.78 | 3.27 |
| 095 Topeka | 003 | F01 | 2047 | 5. | 5. | 5. | 5. | 5. | 5. | 20. | 50. | 80. | 7. | 7.58 | 5.54 | 1.54 |
| 099 Sedgwick Co | 001 | F01 | 2172 | 5. | 25. | 50. | 70. | 85. | 115. | 125. | 145. | 195. | 70. | 33.12 | 58.40 | 2.02 |
| 099 Wichita | 002 | F01 | 638 | 5. | 5. | 5. | 10. | 20. | 45. | 65. | 150. | 200. | | | | |
| | 010 | F01 | 1521 | 5. | 20. | 45. | 60. | 80. | 110. | 120. | 160. | 240. | | | | |
| **KENTUCKY** | | | | | | | | | | | | | | | | |
| 072 Paducah | 020 | F01 | 2073 | 5. | 5. | 25. | 47. | 67. | 98. | 118. | 143. | 212. | 50. | 35.90 | 33.99 | 2.80 |
| 077 Henderson | 008 | F01 | 1841 | 5. | 5. | 27. | 51. | 78. | 137. | 167. | 208. | 247. | 62. | 50.01 | 39.63 | 2.99 |
| 077 Owensboro | 008 | F01 | 1959 | 5. | 12. | 31. | 51. | 74. | 120. | 145. | 169. | 206. | 58. | 41.22 | 42.30 | 2.49 |
| 078 Jefferson Co | 027 | G03 | 2012 | 5. | 29. | 59. | 78. | 108. | 147. | 167. | 216. | 274. | 86. | 44.22 | 73.10 | 1.89 |
| 078 Louisville | 020 | G01 | 1557 | 5. | 5. | 5. | 10. | 39. | 108. | 147. | 216. | 265. | | | | |
| | 021 | G01 | 2083 | 5. | 5. | 20. | 39. | 78. | 137. | 176. | 235. | 382. | 58. | 55.20 | 33.56 | 3.19 |
| | 034 | G01 | 1001 | 5. | 5. | 10. | 20. | 29. | 49. | 69. | 98. | 127. | | | | |
| 079 Florence | 002 | F05 | 457 | 5. | 20. | 39. | 59. | 94. | 147. | 176. | 245. | 294. | | | | |
| 079 Newport | 001 | F01 | 1537 | 5. | 5. | 10. | 35. | 59. | 127. | 153. | 196. | 241. | | | | |
| 102 Lexington | 002 | F01 | 2120 | 5. | 25. | 55. | 78. | 110. | 161. | 186. | 221. | 278. | 87. | 51.19 | 68.53 | 2.26 |
| 103 Ashland | 008 | F01 | 2087 | 5. | 5. | 5. | 18. | 41. | 88. | 116. | 176. | 263. | 34. | 39.90 | 17.64 | 3.24 |
| **LOUISIANA** | | | | | | | | | | | | | | | | |
| 106 Baton Rouge | 003 | F01 | 262 | 5. | 5. | 43. | 96. | 159. | 227. | 247. | 310. | 361. | | | | |
| 106 Lake Charles | 001 | F01 | 95 | 5. | 5. | 14. | 22. | 29. | 43. | 49. | 53. | 53. | | | | |
| 106 New Orleans | 005 | F01 | 1986 | 5. | 5. | 20. | 39. | 65. | 108. | 131. | 169. | 235. | 49. | 41.33 | 30.61 | 2.99 |
| **MARYLAND** | | | | | | | | | | | | | | | | |
| 047 Bethesda | 005 | F01 | 1646 | 5. | 5. | 20. | 39. | 78. | 118. | 137. | 196. | 314. | 56. | 45.33 | 36.55 | 2.94 |
| 047 Cheverly | 004 | F01 | 1743 | 5. | 5. | 20. | 39. | 59. | 118. | 137. | 196. | 294. | 48. | 45.92 | 26.81 | 3.30 |
| 047 Silver Spring | 006 | F01 | 1944 | 5. | 5. | 5. | 20. | 59. | 98. | 118. | 176. | 235. | 42. | 42.00 | 23.00 | 3.32 |
| 047 Suitland-Silver Hill | 001 | F01 | 1784 | 5. | 5. | 39. | 59. | 98. | 157. | 176. | 235. | 353. | 74. | 55.53 | 50.12 | 2.85 |
| 113 Cumberland | 006 | F01 | 1359 | 5. | 5. | 20. | 20. | 39. | 59. | 78. | 118. | 137. | | | | |
| 113 Hagerstown | 004 | F01 | 1458 | 5. | 5. | 39. | 59. | 78. | 118. | 137. | 176. | 216. | | | | |
| 114 Wicomico Co | 002 | F01 | 577 | 5. | 39. | 78. | 98. | 118. | 176. | 196. | 235. | 274. | | | | |
| 115 Baltimore | 004 | H01 | 1742 | 5. | 5. | 5. | 20. | 39. | 59. | 78. | 137. | 176. | 30. | 28.14 | 18.65 | 2.87 |
| | 011 | H01 | 1875 | 5. | 5. | 20. | 20. | 39. | 78. | 98. | 137. | 255. | 33. | 30.73 | 21.02 | 2.76 |
| | 018 | F01 | 1923 | 5. | 5. | 39. | 59. | 98. | 157. | 176. | 255. | 392. | 72. | 58.69 | 44.30 | 3.18 |
| | 019 | F01 | 1598 | 5. | 5. | 20. | 39. | 59. | 98. | 118. | 196. | 255. | | | | |
| 115 Baltimore Co | 003 | G01 | 1578 | 5. | 5. | 39. | 78. | 98. | 157. | 176. | 235. | 490. | | | | |
| 115 Essex | 001 | G01 | 1643 | 5. | 5. | 39. | 78. | 118. | 176. | 196. | 294. | 372. | 89. | 64.86 | 57.17 | 3.21 |
| 115 Riviera Beach | 002 | G01 | 643 | 5. | 5. | 20. | 59. | 118. | 176. | 235. | 314. | 431. | | | | |
| 115 Towson | 002 | G01 | 1552 | 5. | 5. | 39. | 59. | 98. | 137. | 157. | 255. | 333. | | | | |
| **MASSACHUSETTS** | | | | | | | | | | | | | | | | |
| 042 Amherst | 001 | F01 | 1820 | 5. | 24. | 49. | 69. | 88. | 137. | 167. | 235. | 284. | 76. | 47.09 | 60.82 | 2.10 |
| 117 Pittsfield | 004 | F01 | 1117 | 5. | 10. | 35. | 49. | 69. | 108. | 123. | 190. | 251. | | | | |
| 118 Worchester | 012 | F01 | 1562 | 5. | 14. | 39. | 53. | 76. | 118. | 147. | 196. | 274. | | | | |
| 119 Ashland | 001 | F01 | 118 | 18. | 39. | 73. | 84. | 104. | 159. | 171. | 192. | 192. | | | | |
| 119 Danvers | 002 | F01 | 1615 | 5. | 16. | 39. | 55. | 69. | 104. | 141. | 176. | 255. | | | | |

## OZONE, micrograms per cubic meter (25 C)
## INSTRUMENTAL CHEMILUMINESCENCE, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles |  |  |  |  |  |  | Max. obs. | Arithmetic |  | Geometric |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  | 10 | 30 | 50 | 70 | 90 | 95 | 99 |  | Mean | Std. dev. | Mean | Std. dev. |
| **MASSACHUSETTS — Cont.** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 119 Medford | 003 | F01 | 1957 | 5. | 10. | 29. | 41. | 59. | 98. | 118. | 147. | 235. | 48. | 34.08 | 35.08 | 2.44 |
| 119 Quincy | 002 | F01 | 1917 | 5. | 20. | 49. | 63. | 78. | 127. | 157. | 198. | 267. | 70. | 43.54 | 55.30 | 2.23 |
| 120 Attleboro | 003 | F01 | 1248 | 5. | 5. | 27. | 51. | 71. | 98. | 120. | 161. | 223. |  |  |  |  |
| 120 Fall River | 004 | F01 | 1878 | 5. | 27. | 49. | 65. | 80. | 112. | 139. | 196. | 294. | 69. | 37.52 | 58.95 | 1.87 |
| 121 West Newbury | 001 | F01 | 1438 | 5. | 20. | 55. | 78. | 118. | 186. | 221. | 304. | 441. |  |  |  |  |
| **MINNESOTA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 129 Lake Co | 005 | F01 | 1271 | 20. | 49. | 69. | 86. | 98. | 127. | 157. | 186. | 196. |  |  |  |  |
| 131 Minneapolis | 047 | F01 | 1057 | 5. | 5. | 18. | 33. | 47. | 71. | 80. | 106. | 139. |  |  |  |  |
| **MISSOURI** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 070 Afton | 001 | G01 | 166 | 16. | 31. | 61. | 84. | 98. | 114. | 123. | 143. | 147. |  |  |  |  |
| 070 Bellefontaine Neighbors | 002 | G01 | 139 | 5. | 27. | 65. | 76. | 88. | 108. | 125. | 129. | 137. |  |  |  |  |
| 070 Clayton | 001 | G01 | 165 | 5. | 5. | 5. | 5. | 20. | 61. | 67. | 80. | 80. |  |  |  |  |
| 070 St Ann | 001 | G01 | 166 | 5. | 14. | 37. | 57. | 73. | 82. | 90. | 100. | 125. |  |  |  |  |
| 070 St Louis Co | 006 | G01 | 166 | 5. | 29. | 55. | 71. | 82. | 108. | 122. | 135. | 137. |  |  |  |  |
| 094 Clay Co | 003 | F01 | 1773 | 5. | 20. | 39. | 59. | 78. | 118. | 137. | 176. | 216. | 68. | 37.16 | 56.61 | 1.98 |
| **MONTANA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 140 Billings | 053 | F01 | 1155 | 5. | 5. | 35. | 51. | 67. | 82. | 90. | 106. | 110. |  |  |  |  |
| **NEBRASKA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 085 Omaha | 026 | G01 | 2053 | 5. | 10. | 49. | 69. | 88. | 108. | 118. | 157. | 196. | 64. | 35.77 | 49.37 | 2.40 |
| **NEW HAMPSHIRE** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 107 Berlin | 007 | F01 | 714 | 5. | 5. | 20. | 47. | 69. | 94. | 114. | 141. | 161. |  |  |  |  |
| 121 Keene | 005 | F01 | 1520 | 5. | 12. | 35. | 55. | 73. | 114. | 141. | 200. | 302. |  |  |  |  |
| 121 Manchester | 009 | F01 | 2180 | 5. | 10. | 43. | 69. | 84. | 127. | 155. | 198. | 274. | 69. | 44.25 | 50.05 | 2.63 |
| 121 Nashua | 005 | F01 | 2150 | 5. | 5. | 20. | 59. | 88. | 147. | 176. | 245. | 363. | 68. | 56.20 | 41.74 | 3.18 |
| 121 Portsmouth | 008 | F01 | 1885 | 5. | 10. | 49. | 69. | 78. | 137. | 167. | 235. | 451. | 71. | 51.15 | 50.48 | 2.67 |
| **NEW MEXICO** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 152 Albuquerque | 008 | H02 | 1994 | 5. | 49. | 78. | 98. | 118. | 147. | 157. | 186. | 255. | 100. | 39.42 | 87.96 | 1.81 |
|  | 015 | H02 | 1359 | 5. | 5. | 49. | 98. | 118. | 167. | 186. | 225. | 323. |  |  |  |  |
|  | 017 | H02 | 2003 | 5. | 49. | 88. | 118. | 147. | 186. | 206. | 245. | 294. | 115. | 54.66 | 96.16 | 2.10 |
| **NORTH CAROLINA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 167 Charlotte | 011 | G01 | 2113 | 10. | 10. | 25. | 59. | 98. | 147. | 167. | 200. | 226. | 69. | 52.80 | 46.01 | 2.70 |
|  | 028 | G01 | 1775 | 10. | 10. | 24. | 49. | 88. | 148. | 180. | 206. | 229. | 65. | 54.18 | 42.90 | 2.68 |
| 171 Asheville | 003 | I01 | 1733 | 10. | 10. | 10. | 10. | 10. | 10. | 20. | 120. | 140. | 14. | 17.32 | 11.06 | 1.57 |
| **NORTH DAKOTA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 172 Burleigh Co | 001 | F03 | 2115 | 5. | 39. | 59. | 78. | 98. | 118. | 137. | 157. | 176. | 77. | 33.85 | 68.79 | 1.70 |
| 172 Oliver Co | 001 | F03 | 2043 | 20. | 39. | 59. | 78. | 78. | 98. | 98. | 118. | 118. | 71. | 19.58 | 67.61 | 1.37 |
| **OHIO** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 176 Columbus | 004 | F01 | 348 | 5. | 10. | 37. | 67. | 94. | 145. | 176. | 190. | 208. |  |  |  |  |
| **OKLAHOMA** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 184 Moore | 044 | F01 | 1766 | 5. | 5. | 28. | 47. | 66. | 95. | 105. | 143. | 191. | 50. | 34.01 | 34.67 | 2.71 |
| 184 Oklahoma City | 027 | F01 | 401 | 5. | 5. | 5. | 34. | 45. | 56. | 67. | 72. | 83. |  |  |  |  |
|  | 033 | F01 | 2057 | 5. | 12. | 40. | 59. | 78. | 111. | 120. | 144. | 172. | 60. | 35.53 | 45.31 | 2.45 |
| 186 Tulsa | 127 | F02 | 2092 | 5. | 5. | 42. | 65. | 88. | 125. | 145. | 185. | 1122. | 68. | 48.92 | 48.68 | 2.66 |
|  | 132 | F02 | 2114 | 5. | 20. | 50. | 70. | 90. | 125. | 145. | 175. | 225. | 73. | 39.96 | 57.48 | 2.30 |

## OZONE, micrograms per cubic meter (25 C)
## INSTRUMENTAL CHEMILUMINESCENCE, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **OREGON** | | | | | | | | | | | | | | | | |
| 193 Eugene | 008 | F01 | 2183 | 5. | 5. | 18. | 30. | 40. | 48. | 53. | 68. | 97. | 29. | 16.26 | 23.17 | 2.15 |
| 193 Milwaukie | 001 | F01 | 1283 | 5. | 5. | 12. | 39. | 67. | 94. | 114. | 161. | 251. | | | | |
| 193 Portland | 002 | F01 | 2045 | 5. | 5. | 5. | 5. | 16. | 35. | 47. | 71. | 98. | 15. | 15.26 | 9.78 | 2.33 |
| 193 Salem | 011 | F01 | 2079 | 5. | 5. | 27. | 55. | 74. | 98. | 110. | 137. | 169. | 54. | 34.73 | 37.03 | 2.80 |
| **PENNSYLVANIA** | | | | | | | | | | | | | | | | |
| 045 Philadelphia | 004 | H01 | 2055 | 5. | 5. | 20. | 39. | 78. | 118. | 137. | 216. | 333. | 55. | 48.46 | 33.64 | 3.13 |
| | 014 | H01 | 1978 | 5. | 5. | 39. | 59. | 98. | 157. | 176. | 216. | 333. | 75. | 54.73 | 51.07 | 2.85 |
| | 019 | H01 | 2074 | 5. | 5. | 20. | 59. | 78. | 137. | 157. | 235. | 353. | 65. | 52.78 | 40.10 | 3.15 |
| | 021 | H01 | 1359 | 5. | 5. | 20. | 39. | 59. | 98. | 118. | 157. | 235. | | | | |
| | 022 | H01 | 2129 | 5. | 5. | 20. | 39. | 59. | 98. | 118. | 176. | 294. | 41. | 38.95 | 24.80 | 3.04 |
| | 023 | H01 | 1698 | 5. | 5. | 20. | 20. | 59. | 118. | 157. | 216. | 235. | 46. | 48.48 | 25.27 | 3.25 |
| | 024 | H01 | 2139 | 5. | 5. | 39. | 59. | 98. | 157. | 176. | 255. | 372. | 71. | 56.33 | 44.81 | 3.14 |
| | 026 | H01 | 2037 | 5. | 5. | 20. | 39. | 59. | 118. | 118. | 176. | 255. | 53. | 39.78 | 38.06 | 2.53 |
| | 027 | H01 | 2066 | 5. | 5. | 20. | 39. | 59. | 78. | 118. | 157. | 255. | 41. | 37.14 | 26.00 | 2.87 |
| | 029 | H01 | 1967 | 5. | 5. | 20. | 39. | 59. | 118. | 137. | 196. | 294. | 49. | 43.91 | 29.07 | 3.17 |
| **RHODE ISLAND** | | | | | | | | | | | | | | | | |
| 120 Kent Co | 002 | F03 | 1909 | 5. | 20. | 49. | 78. | 108. | 147. | 176. | 284. | 392. | 85. | 53.66 | 67.93 | 2.07 |
| 120 Providence | 011 | F01 | 1955 | 5. | 10. | 39. | 59. | 78. | 127. | 157. | 225. | 343. | 67. | 47.60 | 48.72 | 2.45 |
| **SOUTH CAROLINA** | | | | | | | | | | | | | | | | |
| 167 Rock Hill | 002 | F01 | 705 | 5. | 5. | 40. | 60. | 80. | 115. | 135. | 155. | 170. | | | | |
| 200 Richland Co | 003 | F01 | 704 | 5. | 5. | 50. | 80. | 110. | 160. | 190. | 225. | 255. | | | | |
| **TENNESSEE** | | | | | | | | | | | | | | | | |
| 018 Memphis | 021 | G01 | 1276 | 10. | 10. | 29. | 59. | 88. | 147. | 167. | 216. | 274. | | | | |
| | 024 | G01 | 946 | 10. | 10. | 20. | 39. | 69. | 98. | 118. | 186. | 245. | | | | |
| 055 Chattanooga | 024 | G01 | 1056 | 5. | 5. | 5. | 31. | 68. | 100. | 110. | 168. | 221. | | | | |
| 207 Kingsport | 001 | F01 | 676 | 5. | 10. | 20. | 39. | 69. | 88. | 98. | 127. | 147. | | | | |
| | 007 | J02 | 681 | 5. | 5. | 37. | 86. | 126. | 196. | 223. | 258. | 273. | | | | |
| | 008 | J02 | 669 | 5. | 25. | 51. | 76. | 96. | 143. | 160. | 177. | 260. | | | | |
| 207 Knoxville | 013 | G01 | 1320 | 10. | 10. | 10. | 45. | 94. | 147. | 176. | 245. | 314. | | | | |
| 208 Columbia | 002 | F01 | 1975 | 5. | 5. | 29. | 74. | 114. | 182. | 216. | 255. | 314. | 82. | 68.14 | 45.69 | 3.66 |
| 208 Humphreys Co | 014 | F02 | 721 | 5. | 33. | 59. | 74. | 100. | 122. | 133. | 159. | 169. | | | | |
| 208 Nashville | 011 | G01 | 2177 | 5. | 5. | 10. | 29. | 59. | 108. | 127. | 157. | 216. | 43. | 41.45 | 24.08 | 3.22 |
| | 012 | G01 | 2174 | 5. | 5. | 20. | 49. | 78. | 118. | 137. | 167. | 216. | 56. | 43.73 | 35.55 | 3.00 |
| 208 Sumner Co | 007 | F01 | 2046 | 5. | 5. | 29. | 61. | 98. | 147. | 172. | 206. | 235. | 69. | 54.79 | 39.79 | 3.49 |
| **TEXAS** | | | | | | | | | | | | | | | | |
| 022 Gregg Co | 001 | F03 | 1883 | 5. | 33. | 67. | 90. | 120. | 171. | 204. | 239. | 296. | 98. | 52.32 | 82.00 | 1.91 |
| 106 Nederland | 003 | F01 | 633 | 5. | 14. | 39. | 69. | 108. | 172. | 214. | 253. | 408. | | | | |
| 106 West Orange | 001 | F01 | 1362 | 5. | 5. | 29. | 47. | 73. | 116. | 147. | 188. | 270. | | | | |
| 153 El Paso | 027 | F01 | 2023 | 5. | 16. | 43. | 67. | 88. | 110. | 122. | 145. | 235. | 66. | 35.98 | 51.57 | 2.31 |
| | 028 | F01 | 2002 | 5. | 10. | 51. | 82. | 104. | 129. | 141. | 171. | 231. | 77. | 42.89 | 56.50 | 2.66 |
| 212 Austin | 012 | F01 | 1915 | 5. | 14. | 33. | 51. | 69. | 116. | 137. | 184. | 231. | 58. | 39.50 | 43.51 | 2.31 |
| | 013 | F01 | 1707 | 5. | 14. | 31. | 45. | 65. | 110. | 127. | 155. | 216. | 54. | 35.96 | 41.19 | 2.23 |
| 212 Waco | 008 | F01 | 1791 | 5. | 16. | 39. | 59. | 82. | 122. | 147. | 190. | 229. | 66. | 41.93 | 50.72 | 2.30 |
| 214 Corpus Christi | 019 | F01 | 1836 | 5. | 18. | 33. | 45. | 63. | 116. | 143. | 196. | 292. | 57. | 41.24 | 43.65 | 2.21 |
| 215 Dallas | 045 | F01 | 1243 | 5. | 14. | 43. | 67. | 94. | 135. | 157. | 198. | 214. | | | | |
| | 047 | F01 | 975 | 5. | 5. | 22. | 39. | 59. | 106. | 135. | 214. | 270. | | | | |
| 215 Fort Worth | 002 | F01 | 1687 | 5. | 24. | 51. | 71. | 94. | 137. | 165. | 221. | 351. | 77. | 46.99 | 61.02 | 2.22 |
| | 003 | F01 | 1727 | 5. | 5. | 20. | 35. | 53. | 92. | 123. | 182. | 233. | 44. | 37.63 | 29.34 | 2.67 |
| 216 Clute City | 003 | F01 | 2052 | 5. | 12. | 29. | 49. | 76. | 127. | 153. | 202. | 363. | 62. | 48.03 | 43.69 | 2.51 |
| 216 Harris Co | 024 | F01 | 1771 | 5. | 5. | 5. | 39. | 82. | 163. | 210. | 343. | 529. | 65. | 75.17 | 29.25 | 4.06 |
| 216 Houston | 034 | F01 | 1820 | 5. | 5. | 14. | 39. | 69. | 131. | 180. | 321. | 435. | 58. | 64.89 | 29.96 | 3.51 |
| 216 Texas City | 002 | F01 | 1338 | 5. | 22. | 35. | 51. | 90. | 147. | 182. | 265. | 463. | | | | |
| 217 San Antonio | 036 | F01 | 1828 | 5. | 5. | 33. | 51. | 76. | 120. | 153. | 214. | 286. | 61. | 46.47 | 41.98 | 2.68 |
| | 041 | F01 | 1941 | 5. | 10. | 29. | 45. | 69. | 116. | 141. | 188. | 243. | 56. | 41.86 | 39.86 | 2.53 |
| 218 Odessa | 002 | F01 | 1921 | 5. | 29. | 65. | 88. | 110. | 147. | 159. | 190. | 282. | 88. | 43.89 | 73.02 | 2.10 |

# OZONE, micrograms per cubic meter (25 C)
# INSTRUMENTAL CHEMILUMINESCENCE, 1 hour

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **VERMONT** | | | | | | | | | | | | | | | | |
| 159 Burlington | 003 | F01 | 1917 | 5. | 27. | 55. | 74. | 92. | 133. | 159. | 200. | 233. | 78. | 41.71 | 63.89 | 2.07 |
| 221 White River Jct. | 002 | F01 | 1714 | 5. | 5. | 31. | 67. | 94. | 129. | 157. | 198. | 253. | 68. | 48.64 | 43.51 | 3.09 |
| **VIRGINIA** | | | | | | | | | | | | | | | | |
| 047 Alexandria | 009 | H01 | 2079 | 5. | 5. | 29. | 49. | 78. | 127. | 157. | 206. | 372. | 60. | 50.09 | 37.67 | 3.01 |
| 047 Arlington Co | 008 | F02 | 1836 | 5. | 5. | 10. | 29. | 39. | 69. | 78. | 127. | 186. | 31. | 25.35 | 21.35 | 2.58 |
| 047 Fairfax | 005 | G01 | 2162 | 5. | 20. | 39. | 59. | 78. | 118. | 137. | 186. | 240. | 64. | 39.06 | 51.24 | 2.16 |
| 047 Fairfax Co | 014 | G01 | 2169 | 5. | 5. | 15. | 29. | 54. | 88. | 108. | 142. | 196. | 39. | 33.65 | 24.69 | 2.91 |
| 047 Mc Lean | 001 | G01 | 2156 | 5. | 5. | 20. | 39. | 59. | 93. | 108. | 147. | 265. | 44. | 34.98 | 29.39 | 2.74 |
| 047 Seven Corners | 004 | G01 | 1796 | 5. | 10. | 29. | 44. | 64. | 98. | 118. | 152. | 265. | 51. | 35.52 | 37.47 | 2.48 |
| 225 Henrico Co | 010 | F01 | 1687 | 5. | 10. | 49. | 78. | 108. | 157. | 186. | 245. | 265. | 82. | 55.56 | 56.98 | 2.77 |
| 225 Richmond | 012 | H01 | 717 | 5. | 10. | 39. | 78. | 98. | 137. | 176. | 216. | 245. | | | | |
| **WASHINGTON** | | | | | | | | | | | | | | | | |
| 193 Vancouver | 007 | F01 | 1804 | 5. | 5. | 20. | 20. | 39. | 59. | 78. | 98. | 176. | 31. | 22.78 | 22.00 | 2.43 |
| 229 Kent | 001 | I01 | 1631 | 5. | 5. | 20. | 39. | 59. | 78. | 78. | 118. | 157. | | | | |
| 229 King Co | 010 | F05 | 1851 | 5. | 5. | 20. | 39. | 59. | 78. | 98. | 137. | 196. | 41. | 32.21 | 26.18 | 3.01 |
| 229 Pierce Co | 002 | F01 | 1166 | 5. | 5. | 39. | 39. | 59. | 78. | 98. | 118. | 157. | | | | |
| **WISCONSIN** | | | | | | | | | | | | | | | | |
| 239 Milwaukee | 040 | F01 | 1991 | 5. | 15. | 47. | 66. | 86. | 129. | 156. | 217. | 323. | 72. | 45.67 | 53.57 | 2.49 |
| | 041 | F01 | 1882 | 5. | 17. | 52. | 72. | 90. | 139. | 170. | 260. | 400. | 77. | 51.66 | 57.88 | 2.48 |
| | 042 | F01 | 1931 | 5. | 5. | 37. | 58. | 82. | 129. | 152. | 213. | 349. | 65. | 48.91 | 44.65 | 2.80 |
| | 044 | F01 | 1843 | 5. | 5. | 45. | 66. | 88. | 129. | 150. | 205. | 331. | 68. | 45.98 | 47.48 | 2.81 |
| | 045 | F01 | 1886 | 5. | 5. | 23. | 45. | 62. | 96. | 115. | 190. | 292. | 49. | 38.62 | 31.93 | 2.87 |
| | 080 | F01 | 287 | 5. | 5. | 11 | 23. | 43. | 60. | 66. | 80. | 82. | | | | |
| 239 Racine | 011 | F01 | 1947 | 5. | 21. | 45. | 60. | 78. | 125. | 164. | 237. | 354. | 69. | 46.56 | 53.25 | 2.27 |
| 239 Waukesha | 007 | F01 | 1905 | 5. | 5. | 39. | 56. | 80. | 123. | 143. | 180. | 290. | 63. | 42.98 | 45.19 | 2.61 |
| 240 Columbia Co | 008 | J02 | 1958 | 5. | 42. | 68. | 84. | 105. | 138. | 160. | 201. | 280. | 89. | 38.61 | 79.25 | 1.68 |

## OZONE, micrograms per cubic meter (25 C)
## INSTRUMENTAL CHEMILUMINESCENCE, 2 hours

### 1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **FLORIDA** | | | | | | | | | | | | | | | | |
| 050 Lauderdale Lakes | 001 | G03 | 151 | 5. | 20. | 49. | 69. | 98. | 118. | 118. | 127. | 127. | | | | |

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## OZONE, micrograms per cubic meter (25 C)
## INSTRUMENTAL ULTRA VIOLET DASIBI CORP, 1 hour

1977 Second Quarter

| Site location | Site No. | Ag/ proj. | No. obs. | Min. obs. | Percentiles | | | | | | | Max. obs. | Arithmetic | | Geometric | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 10 | 30 | 50 | 70 | 90 | 95 | 99 | | Mean | Std. dev. | Mean | Std. dev. |
| **ARIZONA** | | | | | | | | | | | | | | | | |
| 015 Glendale | 001 | G01 | 1003 | 10. | 10. | 10. | 10. | 33. | 69. | 86. | 123. | 237. | | | | |
| 015 Phoenix | 002 | G01 | 1231 | 10. | 10. | 10. | 29. | 63. | 96. | 108. | 131. | 310. | | | | |
| | 004 | G01 | 1379 | 10. | 10. | 10. | 27. | 49. | 74. | 84. | 104. | 163. | | | | |
| | 013 | G01 | 632 | 10. | 10. | 10. | 10. | 27. | 49. | 57. | 74. | 92. | | | | |
| 015 Scottsdale | 003 | G01 | 1020 | 10. | 10. | 10. | 25. | 59. | 88. | 104. | 129. | 188. | | | | |
| **FLORIDA** | | | | | | | | | | | | | | | | |
| 052 St Petersburg | 021 | H01 | 1333 | 10. | 10. | 20. | 39. | 59. | 118. | 147. | 196. | 255. | | | | |
| **ILLINOIS** | | | | | | | | | | | | | | | | |
| 065 Peoria | 024 | F01 | 1930 | 10. | 10. | 10. | 25. | 61. | 120. | 147. | 190. | 247. | 47. | 47.80 | 27.82 | 2.82 |
| 066 Champaign | 003 | F01 | 792 | 10. | 10. | 37. | 65. | 94. | 151. | 171. | 194. | 208. | | | | |
| 067 Chicago | 033 | F01 | 2064 | 10. | 10. | 10. | 27. | 53. | 110. | 139. | 198. | 1021. | 45. | 50.34 | 27.15 | 2.69 |
| | 040 | F01 | 65 | 10. | 10. | 10. | 10. | 25. | 35. | 39. | 43. | 43. | | | | |
| 067 Cook Co | 002 | H01 | 1972 | 10. | 10. | 10. | 20. | 39. | 98. | 137. | 196. | 274. | 41. | 42.32 | 25.92 | 2.56 |
| 067 Joliet | 005 | F01 | 2087 | 10. | 10. | 10. | 41. | 71. | 127. | 153. | 208. | 314. | 55. | 49.10 | 35.05 | 2.74 |
| 067 Kankakee | 001 | F01 | 887 | 10. | 29. | 73. | 120. | 174. | 241. | 274. | 386. | 568. | | | | |
| 067 Waukegan | 002 | F01 | 1653 | 10. | 10. | 24. | 47. | 76. | 145. | 190. | 314. | 521. | 65. | 64.78 | 40.75 | 2.77 |
| 067 Wheaton | 003 | F01 | 1668 | 10. | 10. | 10. | 41. | 74. | 137. | 165. | 216. | 304. | 57. | 51.88 | 35.79 | 2.79 |
| 069 Rock Island | 002 | F01 | 1699 | 10. | 10. | 24. | 49. | 73. | 114. | 133. | 194. | 327. | 56. | 43.45 | 38.56 | 2.53 |
| 070 East St Louis | 008 | F01 | 2079 | 10. | 10. | 10. | 27. | 59. | 120. | 145. | 186. | 223. | 47. | 46.26 | 28.44 | 2.77 |
| | 009 | F01 | 1822 | 10. | 10. | 29. | 63. | 98. | 151. | 174. | 229. | 269. | 72. | 55.82 | 47.81 | 2.74 |
| 070 Wood River | 007 | F01 | 2000 | 10. | 10. | 10. | 47. | 88. | 157. | 186. | 249. | 380. | 66. | 61.93 | 39.26 | 2.98 |
| 071 La Salle | 001 | F01 | 1946 | 10. | 10. | 37. | 63. | 90. | 139. | 165. | 206. | 296. | 69. | 48.59 | 50.05 | 2.46 |
| 073 De Kalb | 002 | F01 | 1372 | 10. | 10. | 45. | 76. | 110. | 163. | 190. | 267. | 337. | | | | |
| 073 Rockford | 005 | F01 | 2014 | 10. | 10. | 25. | 45. | 74. | 116. | 135. | 176. | 241. | 55. | 42.26 | 38.73 | 2.51 |
| 074 Marion | 001 | F01 | 1896 | 10. | 10. | 47. | 71. | 102. | 147. | 161. | 196. | 310. | 77. | 48.90 | 57.58 | 2.39 |
| 075 Decatur | 006 | F01 | 1879 | 10. | 10. | 41. | 63. | 86. | 133. | 149. | 182. | 233. | 68. | 43.61 | 51.47 | 2.33 |
| 075 Quincy | 002 | F01 | 1948 | 10. | 22. | 43. | 65. | 86. | 125. | 153. | 188. | 245. | 70. | 42.39 | 55.88 | 2.10 |
| 075 Springfield | 003 | F01 | 1878 | 10. | 10. | 10. | 47. | 82. | 129. | 151. | 180. | 253. | 58. | 47.73 | 37.62 | 2.75 |
| **MISSISSIPPI** | | | | | | | | | | | | | | | | |
| 005 Jackson | 010 | F01 | 2118 | 10. | 10. | 25. | 64. | 108. | 167. | 181. | 225. | 304. | 75. | 60.16 | 47.24 | 2.96 |
| 005 Moss Point | 001 | F01 | 1967 | 10. | 10. | 24. | 54. | 88. | 137. | 167. | 225. | 274. | 65. | 52.29 | 42.88 | 2.69 |
| 018 De Soto Co | 002 | F01 | 2152 | 10. | 20. | 54. | 83. | 113. | 162. | 181. | 211. | 368. | 88. | 52.60 | 68.77 | 2.23 |
| **OREGON** | | | | | | | | | | | | | | | | |
| 193 Milwaukie | 001 | F01 | 574 | 10. | 10. | 10. | 10. | 35. | 74. | 98. | 149. | 176. | | | | |
| **VIRGINIA** | | | | | | | | | | | | | | | | |
| 207 Marion | 004 | F01 | 2157 | 10. | 10. | 20. | 59. | 98. | 137. | 157. | 216. | 235. | 67. | 53.26 | 44.77 | 2.69 |
| 223 Hampton | 004 | F02 | 2141 | 10. | 10. | 39. | 57. | 74. | 106. | 125. | 163. | 216. | 60. | 35.09 | 48.85 | 2.06 |
| 223 Nansemond Co | 002 | F01 | 2180 | 10. | 37. | 57. | 76. | 96. | 145. | 163. | 198. | 288. | 83. | 41.81 | 72.41 | 1.77 |
| 223 Norfolk | 013 | F01 | 2179 | 10. | 20. | 49. | 69. | 88. | 137. | 157. | 186. | 245. | 73. | 43.54 | 58.05 | 2.15 |
| 224 Fredericksburg | 003 | F01 | 2182 | 10. | 10. | 29. | 59. | 88. | 137. | 167. | 235. | 294. | 66. | 53.82 | 43.67 | 2.74 |
| 225 Henrico Co | 010 | F01 | 443 | 10. | 10. | 49. | 69. | 98. | 147. | 157. | 186. | 206. | | | | |
| | 012 | F01 | 2145 | 10. | 20. | 49. | 69. | 108. | 147. | 167. | 216. | 304. | 82. | 50.19 | 63.81 | 2.22 |
| 225 Richmond | 002 | H01 | 2146 | 10. | 10. | 10. | 27. | 47. | 86. | 110. | 165. | 204. | 39. | 34.94 | 26.46 | 2.41 |
| | 012 | H01 | 1460 | 10. | 10. | 39. | 78. | 112. | 176. | 216. | 274. | 343. | | | | |
| 226 Salem | 001 | G01 | 2184 | 10. | 10. | 20. | 59. | 98. | 137. | 157. | 196. | 255. | 67. | 50.03 | 46.63 | 2.53 |
| **WASHINGTON** | | | | | | | | | | | | | | | | |
| 062 Spokane | 013 | F01 | 2050 | 10. | 10. | 20. | 39. | 59. | 78. | 78. | 98. | 118. | 40. | 25.12 | 31.09 | 2.12 |
| 229 Seattle | 058 | I01 | 2009 | 10. | 20. | 39. | 59. | 59. | 78. | 98. | 98. | 157. | 52. | 26.19 | 44.17 | 1.81 |
| **WISCONSIN** | | | | | | | | | | | | | | | | |
| 240 Columbia Co | 005 | F02 | 391 | 10. | 50. | 67. | 83. | 102. | 121. | 135. | 176. | 180. | | | | |

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